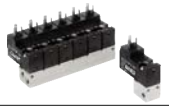
VALVES
VALVES
VALVOLE

MICROVALVES
MICROVALVES
MICROVALVOLE
PAGE 2.03

SOLENOID VALVES 15 mm
ELECTROVALVES 15 mm
ELETTROVALVOLA 15 mm
PAGE 2.08



SOLENOID VALVES 10 mm
ELECTROVALVES 10 mm
ELETTROVALVOLA 10 mm
PAGE 2.10

DIRECTLY OPERATED SOLENOID VALVES
ELECTROVALVES A COMMANDE DIRECTE
ELETTROVALVOLE A COMANDO DIRETTO
PAGE 2.13

MODULAR DIRECTLY SOLENOID VALVES
ELECTROVALVES MODULAIRE A COMM.DIRECTE
ELETTROVALVOLE MODULARI A COMANDO DIRETTO
PAGE 2.16

SOLENOID VALVES VY SERIES
ELECTROVALVES SÉRIES VY
ELETTROVALVOLE SERIE VY
PAGE 2.19

MULTI CONNECTOR SYSTEM FOR VY SERIES
SYSTÈME DE CONNEXION MULTIPOLAIRE
SISTEMA DI CONNESSIONE MULTIPOLARE PER SERIE VY
PAGE 2.35

PNEUMATIC ACTUATED VALVES
VALVES PNEUMATIQUE
VALVOLE AD AZIONAMENTO PNEUMATICO
PAGE 2.38

COILS AND CONNECTORS
BOBINES ET CONNECTEURS
CONNETTORI E BOBINE
PAGE 2.32

SOLENOID VALVES VA SERIES
ELECTROVALVES SERIES VA
ELETTROVALVOLE SERIE VA
PAGE 2.46

SOLENOID VALVES VB SERIES
ELECTROVALVES SERIES VB
ELETTROVALVOLE SERIE VB
PAGE 2.56

ISLAND OF SOLENOID VALVES VH SERIES
ÎLE DE ELECTROVALVES SERIES VH
ISOLA DI ELETTROVALVOLE VALVOLE SERIE VH
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ISO 5599/1 VALVES SIZE 1 AND 2
VALVES ISO 5599/1 TAILLE 1 ET2
VALVOLE ISO 5599/1 TAGLIA 1 E 2
PAGE 2.72

NAMUR VALVES
VALVES NAMUR
VALVOLE NAMUR
PAGE 2.77

VALVOLE AD AZIONAMENTO MANUALE
VALVES COMMANDE MANUELLE
MANUAL ACTUATED VALVES
PAGE 2.81

ACTUATED FOR PANEL MOUNTING
ELEMENTS DE COMMANDE
ATTUATORI DA PANNELLO
PAGE 2.92

MECHANICALLY ACTUATED VALVES
VALVES COMMENDE MÉCANIQUE
VALVOLE AD AZIONAMENTO MECCANICO
PAGE 2.93

PEDAL VALVES
VALVES PÉDALES
VALVOLE A PEDALE
PAGE 2.97

FLOW REGULATORS
REGULATEURS DE DEBIT
REGOLATORI DI FLUSSO
PAGE 2.99

LOGIC ELEMENTS
ÉLÉMENTS LOGIQUES
ELEMENTI LOGICI
PAGE 2.100

NON RETURN VALVES
CLAPETS ANTI RETOUR
VALVOLE DI NON RITORNO
PAGE 2.101

QUICK EXHAUST VALVES
VALVES A PURGE RAPIDE
VALVOLE A SCARICO RAPIDO
PAGE 2.103

STOP VALVES
VALVES DE BLOCAGE
VALVOLE DI BLOCCO
PAGE 2.104

PRESSURE SWITCHES
TRANSDUCTEUR PNEUMO-ÉLECTRIQUE
TRASDUTTORE PNEUMO-ELETTRICO
PAGE 2.106

SLIDE VALVES
VALVES COULISSANTES
VALVOLE A CORSOIO
PAGE 2.107

BALL VALVES
ROBINETS A BOISSEAU SPHERIQUE
RUBINETTI A SFERA
PAGE 2.108

SILENCERS
SILENCIEUX
SILENZIATORI
PAGE 2.111

DIRECT ACTING SOLENOID VALVES
ÉLECTROVANNES A COMMANDE DIRECTE
ELETTROVALVOLE AD AZIONAMENTO DIRETTO
PAGE 2.114

INDIRECT ACTING SOLENOID VALVES
ÉLECTROVANNES A COMMANDE INDIRECTE
ELETTROVALVOLE AD AZIONAMENTO INDIRETTO
PAGE 2.120

MEMBRANE SOLENOID VALVES
ÉLECTROVANNES A MEMBRANE
ELETTROVALVOLE A MEMBRANA
PAGE 2.126

Microvalves with plug button 3/2 (normally open or normally closed) with several types of acting, mechanical or manual. If combined with the adaptor, it is possible to assemble driving gear mechanic, manual. With the use of the the adaptor all the actuators can be mounted on the panel and it is also possible to combine two microvalves and obtain the function 5/2 and 5/3.

La microvalve à bouton 3/2 normalement fermée ou ouvert peut être manuelle ou mécanique. Elle est fixée à un adapteur soit en facade soit sur un panneau.Il est possible également de l'associer à une autre microvalve afin d'obtenir une fonction 5/2 ou 5/3.

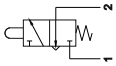
Microvalvole ad otturatore 3/2 NA o NC con svariati sistemi di azionamento, meccanico o manuale e con l'adattatore è possibile montare tutti i tipi di attuatori da pannello e persino accoppiare 2 microvalvole ed ottenere la funzione 5/2 e 5/3.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

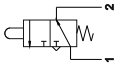
Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air avec ou sans lubrification** / Aria con o senza lubrificazione
Pressure range / **Pression d'utilisation** / Pression d'utilisation	2 - 10bar
Temperature range / **Temperature d'utilisation** / Temperatura di esercizio	+0 c° - +60c°
Nominal orifice / **Diametre nominal** / Diametro nominale	2.5 mm
Nominal flow rate at 6 bar / **Pression nominale a 6 bar** / Portata nominale a 6 bar	100 Nl/min

FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

BUTTON / IMPULSION / PULSANTE



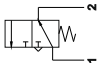
VM4002013101	lower M5 thread
VM5002013101	lateral M5 thread
VM4002013601	lower tube 4
VM5002013601	lateral tube 4



VM4001013101	lower M5 thread
VM5001013101	lateral M5 thread
VM4001013601	lower tube 4
VM5001013601	lateral tube 4

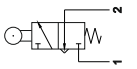
ADAPTOR / ADAPTATEUR / ADATTATORE

VM4002023101	lower M5 thread
VM5002023101	lateral M5 thread
VM4002023601	lower tube 4
VM5002023601	lateral tube 4

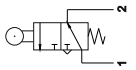


VM4001023101	lower M5 thread
VM5001023101	lateral M5 thread
VM4001023601	lower tube 4
VM5001023601	lateral tube 4

ROLLER LEVER / LEVIER A GALET / LEVA RULLO

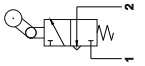


VM4002033101	lower M5 thread
VM5002033101	lateral M5 thread
VM4002033601	lower tube 4
VM5002033601	lateral tube 4

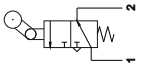


VM4001033101	lower M5 thread
VM5001033101	filetto M5 lateral
VM4001033601	lower tube 4
VM5001033601	lateral tube 4

UNI-DIRECTIONAL LEVER
LEVIER UNIDIRECTIONNEL
LEVA UNIDIREZIONALE

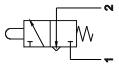


VM4002043101	lower M5 thread
VM5002043101	lateral M5 thread
VM4002043601	lower tube 4
VM5002043601	lateral tube 4

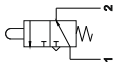


VM4001043101	lower M5 thread
VM5001043101	lateral M5 thread
VM4001043601	lower tube 4
VM5001043601	lateral tube 4

PANEL MOUNT TAPPET / PASSE CLOISON
PULSANTE PASSA PARETE

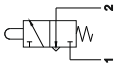


VM4002053101	lower M5 thread
VM5002053101	lateral M5 thread
VM4002053601	lower tube 4
VM5002053601	lateral tube 4

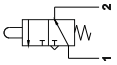


VM4001053101	lower M5 thread
VM5001053101	lateral M5 thread
VM4001053601	lower tube 4
VM5001053601	lateral tube 4

PUSH BUTTON / BOUTON POUSSOIR / TASTO

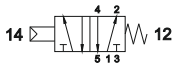


VM4002063101	lower M5 thread
VM5002063101	lateral M5 thread
VM4002063601	lower tube 4
VM5002063601	lateral tube 4

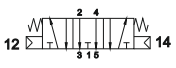


VM4001063101	lower M5 thread
VM5001063101	filetto M5 lateral
VM4001063601	lower tube 4
VM5001063601	lateral tube 4

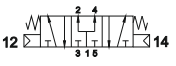
ADAPTOR / ADAPTATEUR / ADATTATORE



VM4000025101	lower M5 thread
VM5000025101	lateral M5 thread
VM4000025601	lower tube 4
VM5000025601	lateral tube 4



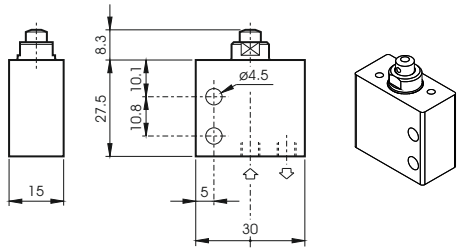
VM4000026121	lower M5 thread
VM5000026121	lateral M5 thread
VM4000026621	lower tube 4
VM5000026621	lateral tube 4



VM4000026131	lower M5 thread
VM5000026131	lateral M5 thread
VM4000026631	lower tube 4
VM5000026631	lateral tube 4

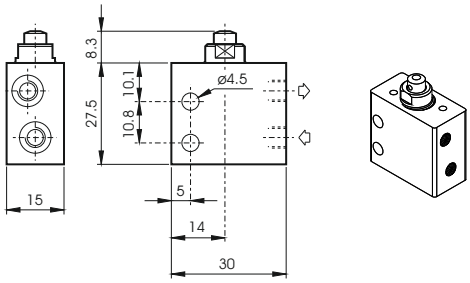
Button - lower M5 thread
Impulsion - M5 inférieur
Pulsante - filetto M5 inferiore

VM4002013101 3/2 NC / **NF** / NC
VM4001013101 3/2 NO / **NO** / NA



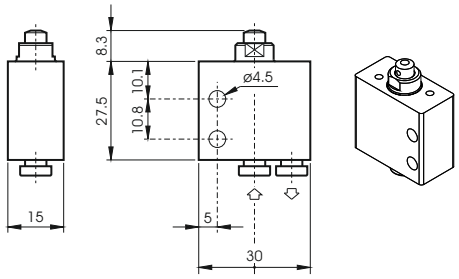
Button - lateral M5 thread
Impulsion -M5 latéral
Pulsante - filetto M5 laterale

VM5002013101 3/2 NC / **NF** / NC
VM5001013101 3/2 NO / **NO** / NA



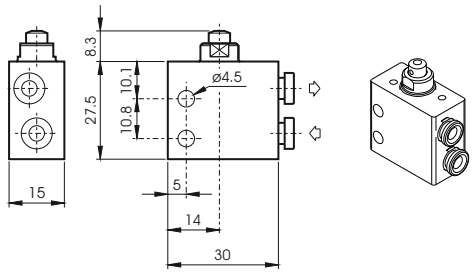
Button - lower tube 4
Impulsion - tube 4 inférieur
Pulsante - tubo 4 inferiore

VM4002013601 3/2 NC / **NF** / NC
VM4001013601 3/2 NO / **NO** / NA



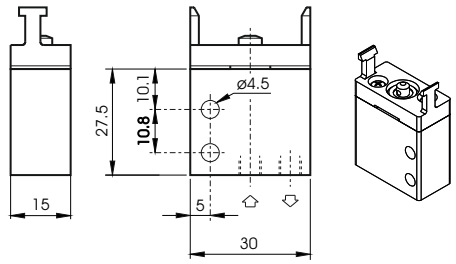
Button - lateral tube 4
Impulsion - tube 4 latéral
Pulsante - tubo 4 laterale

VM5002013601 3/2 NC / **NF** / NC
VM5001013601 3/2 NO / **NO** / NA



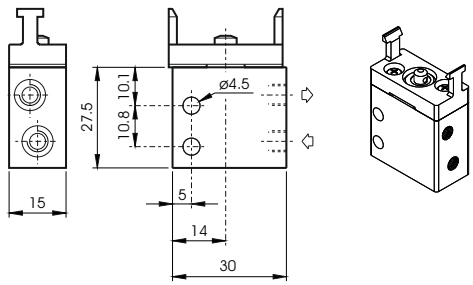
Adaptor - lower M5 thread
Adaptateur - M5 inférieur
Adattatore - filetto M5 inferiore

VM4002023101 3/2 NC / **NF** / NC
VM4001023101 3/2 NO / **NO** / NA



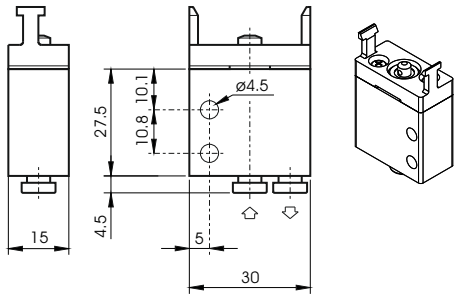
Adaptor - lateral M5 thread
Adaptateur - M5 latéral
Adattatore - filetto M5 laterale

VM5002023101 3/2 NC / **NF** / NC
VM5001023101 3/2 NO / **NO** / NA



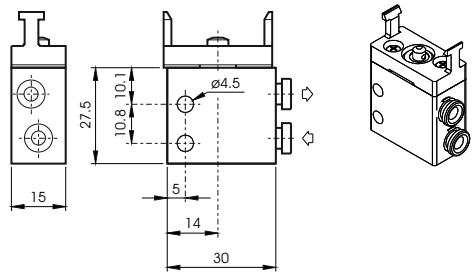
Adaptor - lower tube 4
Adaptateur - tube 4 inférieur
Adattatore - tubo 4 inferiore

VM4002023601 3/2 NC / **NF** / NC
VM4001023601 3/2 NO / **NO** / NA



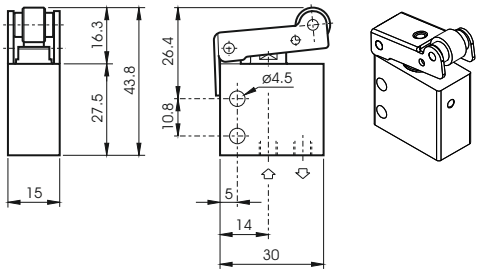
Adaptor - lateral tube 4
Adaptateur - tube 4 latéral
Adattatore - tubo 4 laterale

VM5002023601 3/2 NC / **NF** / NC
VM5001023601 3/2 NO / **NO** / NA



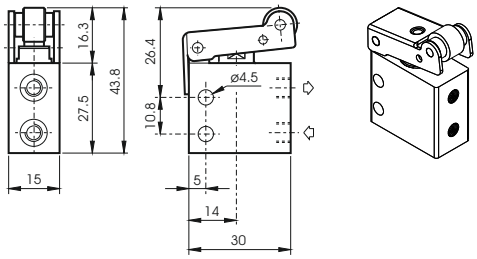
Roller lever - lower M5 thread
Levier a galet - M5 inférieur
Leva rullo - filetto M5 inferiore

VM4002033101 3/2 NC / **NF** / NC
VM4001033101 3/2 NO / **NO** / NA



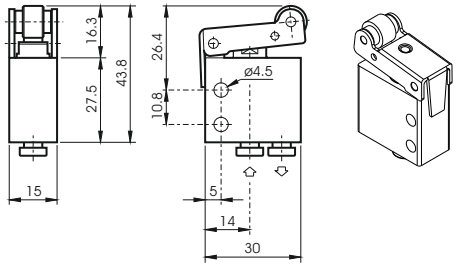
Roller lever - lateral M5 thread
Levier a galet -M5 latéral
Leva rullo - filetto M5 laterale

VM5002033101 3/2 NC / **NF** / NC
VM5001033101 3/2 NO / **NO** / NA



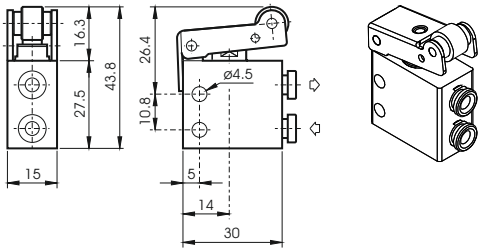
Roller lever - lower tube 4
Levier a galet - tube 4 inférieur
Leva rullo - tubo 4 inferiore

VM4002033601 3/2 NC / **NF** / NC
VM4001033601 3/2 NO / **NO** / NA



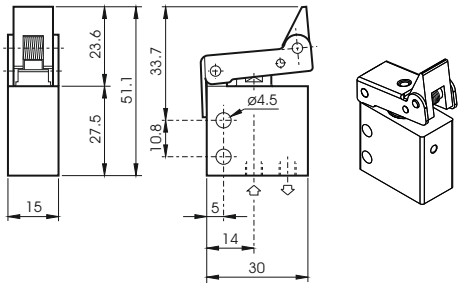
Roller lever - lateral tube 4
Levier a galet - tube 4 latéral
Leva rullo - tubo 4 laterale

VM5002033601 3/2 NC / **NF** / NC
VM5001033601 3/2 NO / **NO** / NA



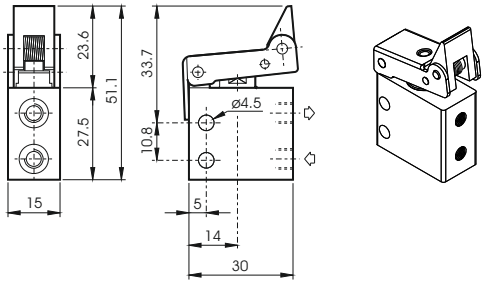
Uni-directional lever - lower M5 thread
Levier unidirectionnel - M5 inférieur
Leva unidirezionale - filetto M5 inferiore

VM4002043101 3/2 NC / **NF** / NC
VM4001043101 3/2 NO / **NO** / NA



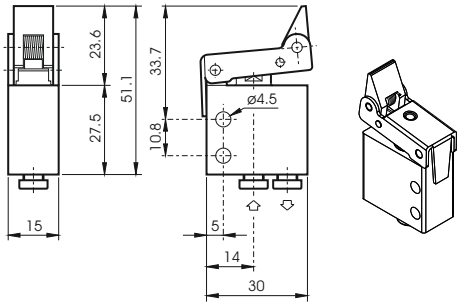
Uni-directional lever - lateral M5 thread
Levier unidirectionnel - M5 latéral
Leva unidirezionale - filetto M5 laterale

VM5002043101 3/2 NC / **NF** / NC
VM5001043101 3/2 NO / **NO** / NA



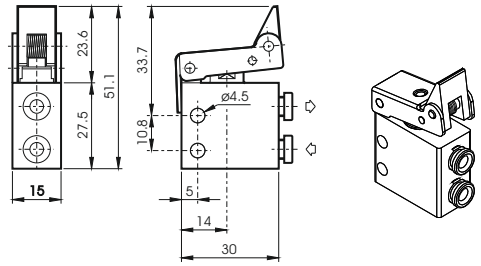
Uni-directional lever - lower tube 4
Levier unidirectionnel - tube 4 inférieur
Leva unidirezionale - tubo 4 inferiore

VM4002043601 3/2 NC / **NF** / NC
VM4001043601 3/2 NO / **NO** / NA



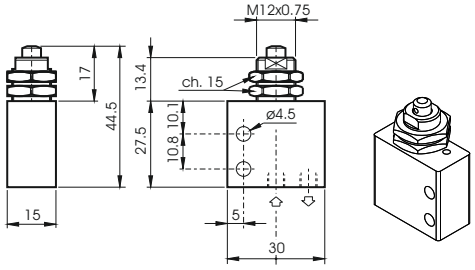
Uni-directional lever - lateral tube 4
Levier unidirectionnel - tube 4 latéral
Leva unidirezionale - tubo 4 laterale

VM5002043601 3/2 NC / **NF** / NC
VM5001043601 3/2 NO / **NO** / NA



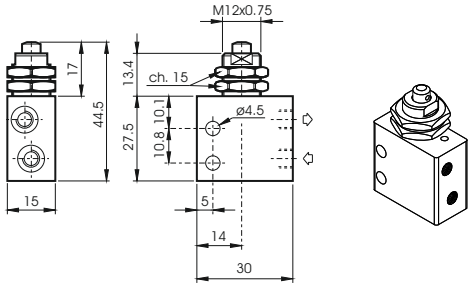
Panel mount tappet - lower M5 thread
Passe cloison - M5 inférieur
Pulsante passa parete - filetto M5 inferiore

VM4002053101	3/2 NC / **NF** / NC
VM4001053101	3/2 NO / **NO** / NA



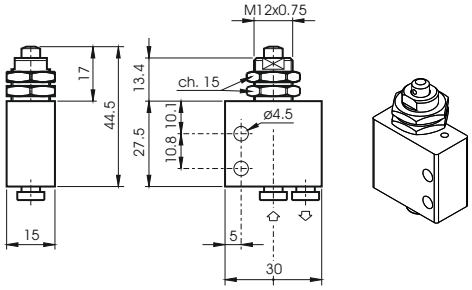
Panel mount tappet - lateral M5 thread
Passe cloison - M5 latéral
Pulsante passa parete - filetto M5 laterale

VM5002053101	3/2 NC / **NF** / NC
VM5001053101	3/2 NO / **NO** / NA



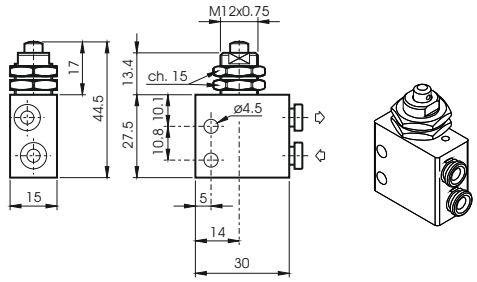
Panel mount tappet - lower tube 4
Passe cloison - tube 4 inférieur
Pulsante passa parete - tubo 4 inferiore

VM4002053601	3/2 NC / **NF** / NC
VM4001053601	3/2 NO / **NO** / NA



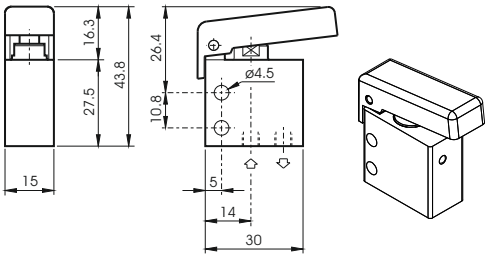
Panel mount tappet - lateral tube 4
Passe cloison - tube 4 latéral
Pulsante passa parete - tubo 4 laterale

VM5002053601	3/2 NC / **NF** / NC
VM5001053601	3/2 NO / **NO** / NA



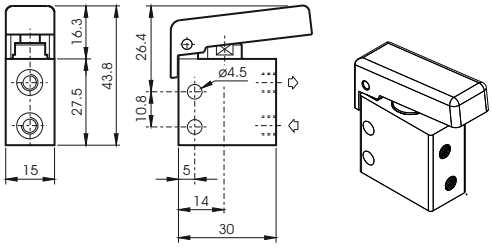
Push button - lower M5 thread
Bouton poussoir - M5 inférieur
Tasto - filetto M5 inferiore

VM4002063101	3/2 NC / **NF** / NC
VM4001063101	3/2 NO / **NO** / NA



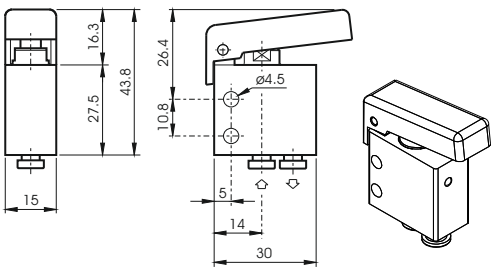
Push button - lateral M5 thread
Bouton poussoir - M5 latéral
Tasto - filetto M5 laterale

VM5002063101	3/2 NC / **NF** / NC
VM5001063101	3/2 NO / **NO** / NA



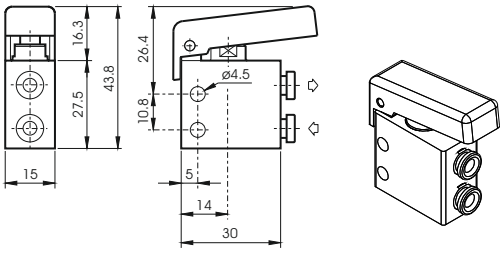
Push button - lower tube 4
Bouton poussoir - tube 4 inférieur
Tasto - tubo 4 inferiore

VM4002063601	3/2 NC / **NF** / NC
VM4001063601	3/2 NO / **NO** / NA



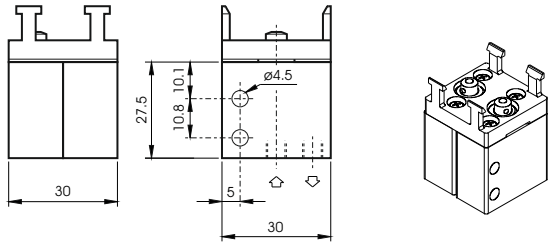
Push button - lateral tube 4
Bouton poussoir - tube 4 latéral
Tasto - tubo 4 laterale

VM5002063601	3/2 NC / **NF** / NC
VM5001063601	3/2 NO / **NO** / NA



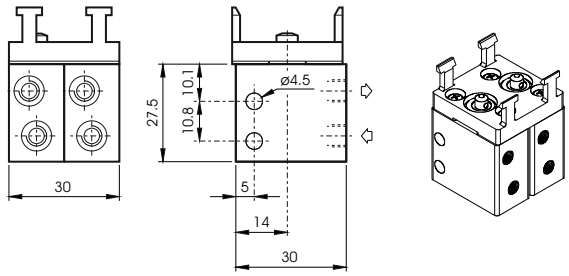
Adaptor - lower M5 thread
Adaptateur - M5 inférieur
Adattatore - filetto M5 inferiore

VM4000025101	5/2
VM4000026121	5/3 CO / **CO** / CA
VM4000026131	5/3 CP



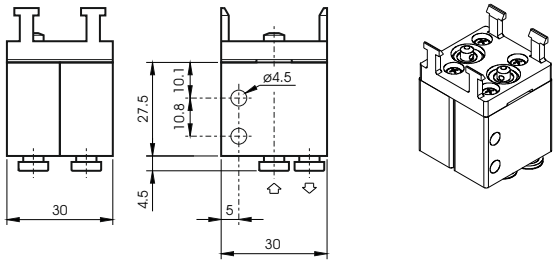
Adaptor - lateral M5 thread
Adaptateur M5 latéral
Adattatore - filetto M5 laterale

VM5000025101	5/2
VM5000026121	5/3 CO / **CO** / CA
VM5000026131	5/3 CP



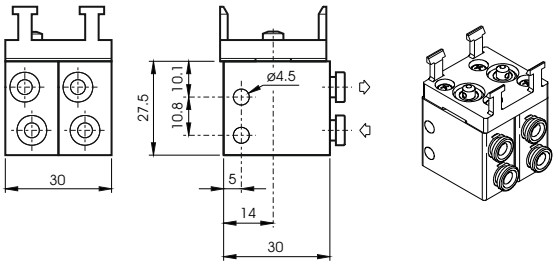
Adaptor -lower tube 4
Adaptateur - tube 4 inférieur
Adattatore - tubo 4 inferiore

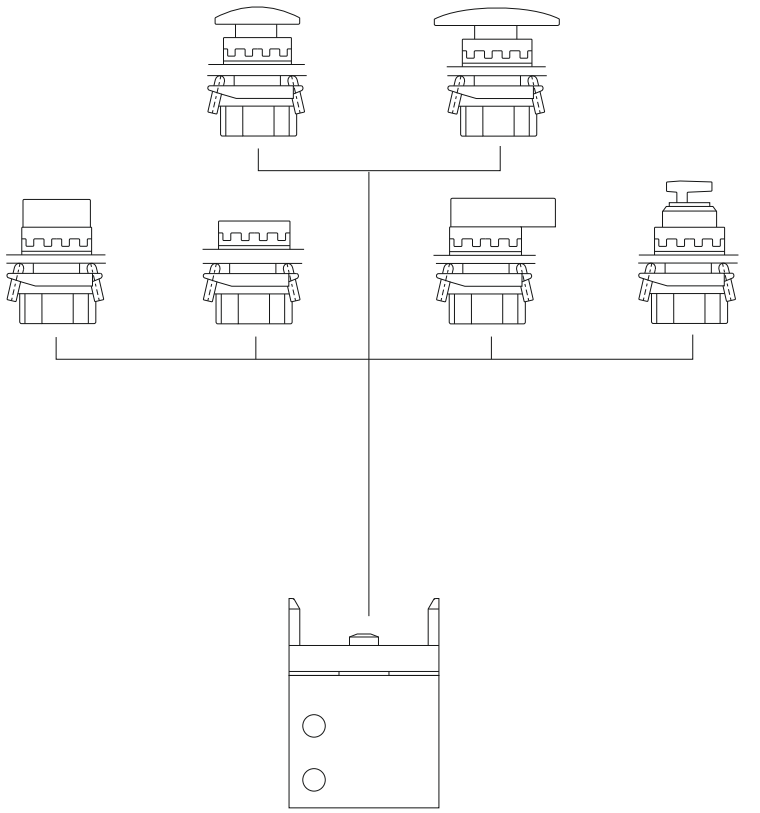
VM4000025601	5/2
VM4000026621	5/3 CO / **CO** / CA
VM4000026631	5/3 CP



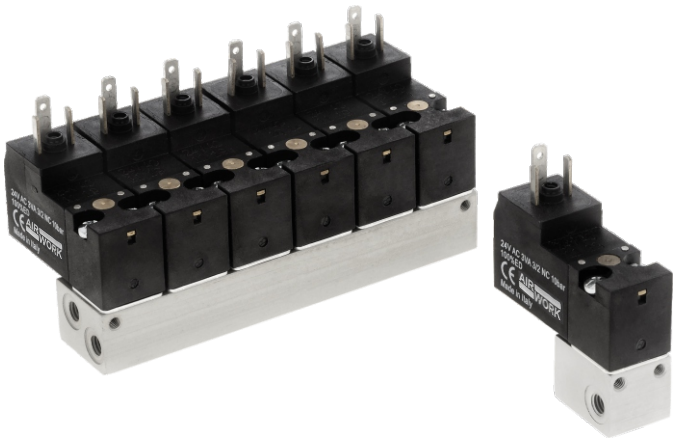
Adaptor - lateral tube 4
Adaptateur - tube 4 latéral
Adattatore - tubo 4 laterale

VM5000025601	5/2
VM5000026621	5/3 CO / **CO** / CA
VM5000026631	5/3 CP





SOLENOID VALVES 15mm
ELECTROVALVES 15 mm
ELETTROVALVOLA 15 mm



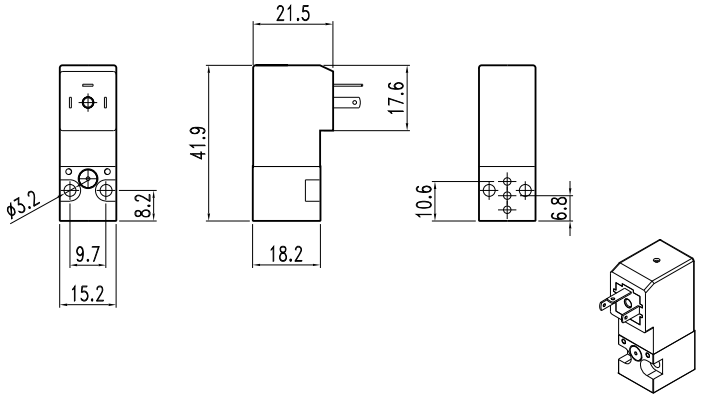
The solenoid valves directly controlled are suitable for assembling on multiple or single bases; they have a low consumption of energy and have a small monostable control for an eventual manual intervention.

L'électropilote à commande directe est particulièrement indiqué pour des montages sur embase multiple ou simple.Il a une faible consommation d'énergie et a une commande manuelle pour des éventuelles interventions.

Gli elettropiloti a comando diretto sono particolarmente indicati per montaggio su basi multiple oppure su basi singole, permettono un basso assorbimento di energia ed hanno un piccolo comando monostabile per intervento manuale.

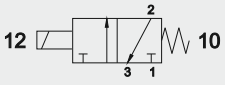
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

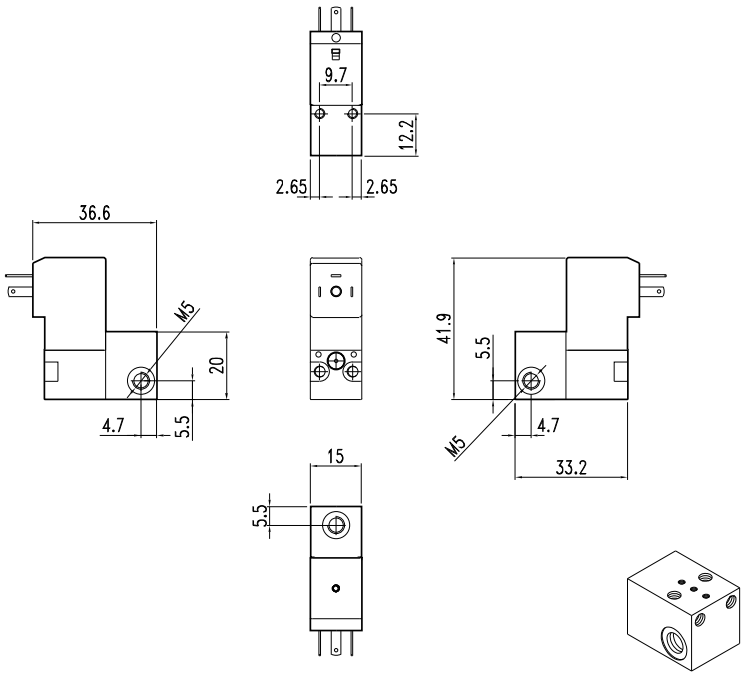
Type / Type / Tipo	3/2 NC
Max operating pressure / Pression max d'utilisation / Pressione massima di esercizio	10 bar
Max working temperature / Température max d'utilisation / Temperatura max di esercizio	+50 C°
Flow rate / Débit / Portata	30 Nl/min
Nominal orifice / Diamétre nominal / Diametro nominale	1,1mm
Life time / Durée / Durata cicli	100 millions cycles
Tension tolerance / Tolérance de tension / Tolleranza di tensione	-10% - +15%
Response time / Temps de reponse / Tempo di risposta	10ms
Duty cycle / Temps d'enclenchement / Inserimento	ED 100%
Rated power consumption / Consommation / Consumo a regime	DC: 2W - AC: 1.3VA
Protection / Protection / Protezione	IP 51



3/2 NC / NF / NC

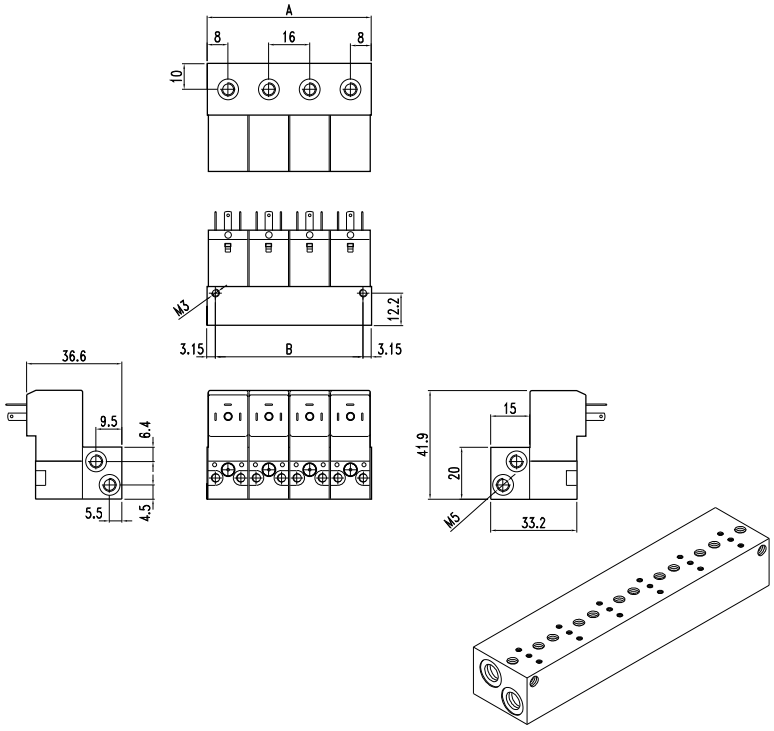
CODE	
EP3112	12V DC
EP3122	24V DC
EP3132	24V AC
EP3142	110V AC
EP3152	220V AC





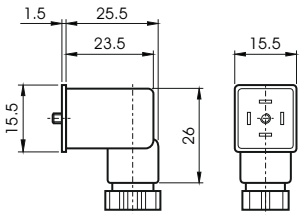
SINGLE MANIFOLD
EMBASE SIMPLE
BASE SINGOLA

CODE: SB402101



MANIFOLD
EMBASE MULTIPLE
BASE MULTIPLA

CODE	POS.	A	B
SB402102	2	32	25.7
SB402103	3	48	41.7
SB402104	4	64	57.7
SB402105	5	80	73.7
SB402106	6	96	89.7
SB402107	7	112	105.7
SB402108	8	128	121.7
SB402109	9	144	137.7
SB402110	10	160	153.7



CONNECTORS
CONNECTEUR
CONNETTORI

CODE	DES.
VX0020	STANDARD
VX0021	LED 24V
VX0022	LED 110V
VX0023	LED 220V
VX0024	LED VDR 24V
VX0025	LED VDR 110V

SOLENOID VALVES 10 mm
ELECTROVALVES 10 mm
ELETTROVALVOLA 10 mm

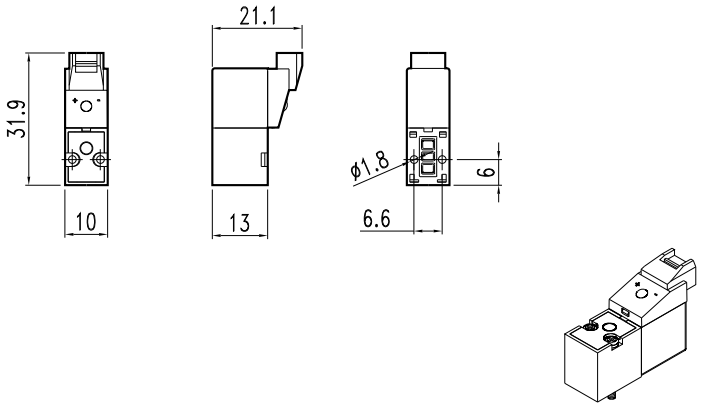
The solenoid valves directly controlled are suitable for assembling on multiple or single bases; they have a low consumption of energy and have a small monostable control for an eventual manual intervention.

L'électropilote à commande directe est particulièrement indiqué pour des montages sur embase multiple ou simple.
Il a une faible consommation d'énergie et a une commande manuelle pour des éventuelles interventions.

Gli elettropiloti a comando diretto sono particolarmente indicati per montaggio su basi multiple oppure su basi singole, permettono un basso assorbimento di energia ed hanno un piccolo comando monostabile per intervento manuale.

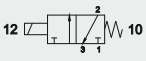
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

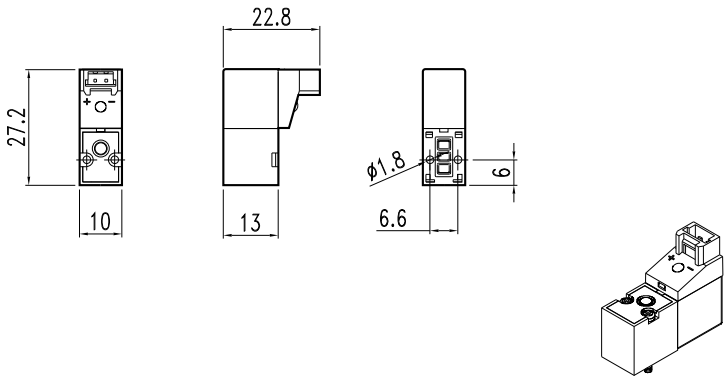
Type / Type / Tipo	3/2 NC
Max operating pressure / Pression max d'utilisation / Pressione massima di esercizio	0 - 7 bar
Max working temperature / Température max d'utilisation / Temperatura max di esercizio	-10 C° +50 C°
Flow rate to 6 bar and Δp 1 bar / Débit a 6 bar et Δp 1 bar / Portata a 6 bar e Δp 1 bar	15 Nl/min
Nominal orifice / Diamétre nominal / Diametro nominale	0,8 mm
Life time / Durée / Durata cicli	>50 millions cycles
Tension tolerance / Tolérance de tension / Tolleranza di tensione	-10% - +10%
Response time / Temps de reponse / Tempo di risposta	6ms (ON) - 8ms (OFF)
Duty cycle / Temps d'enclenchement / Inserimento	ED 100%
Voltage / Voltage / Voltaggio	12-24 V DC
Rated power consumption / Consommation / Consumo a regime	1.3 W
Protection / Protection / Protezione	IP 51



3/2 NC LOWER CONNECTOR
3/2 NF CONNECTEUR INFERIEUR
3/2 NC CONNETTORE INFERIORE

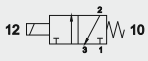
CODE: EP50221 24V DC

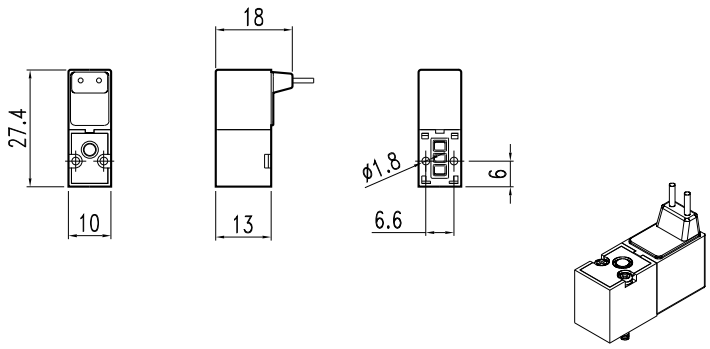




3/2 NC LATERALE CONNECTOR
3/2 NF CONNECTEUR LATERAL
3/2 NC CONNETTORE LATERALE

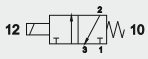
CODE: EP50220 24V DC

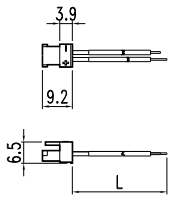




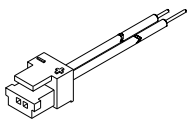
3/2 NC WITH ENCAPSULATED CABLES
3/2 NF AVEC CÂBLES ENCAPSULÉS
3/2 NC CON CAVI PRECABLATI

CODE: EP50222 24V DC





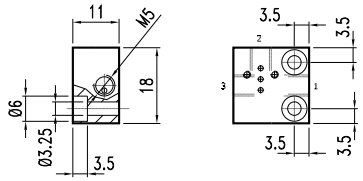
L = 300 mm
L = 500 mm
L = 1000 mm



CONNECTOR
CONNECTEUR
CONNETTORE

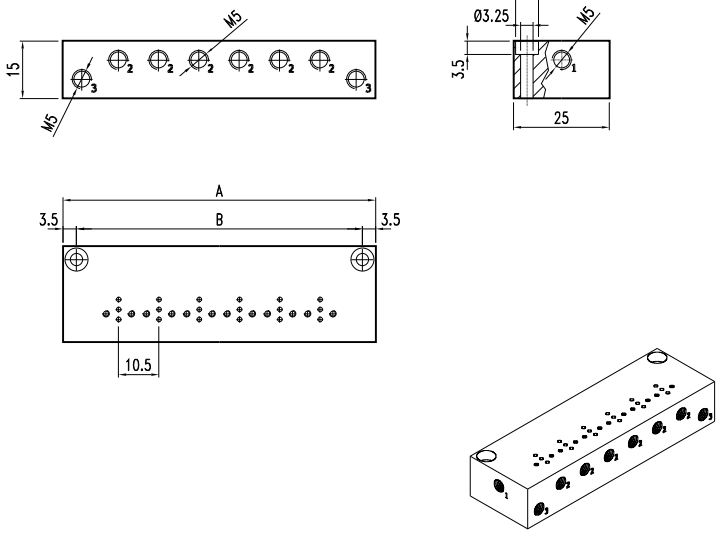
CODE:

VX0048	300mm
VX0049	500mm
VX0050	1000mm



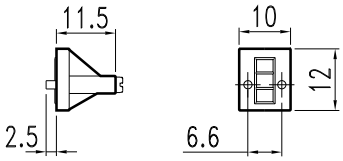
SINGLE MANIFOLD
EMBASE SIMPLE
BASE SINGOLA

CODE: SB4010101



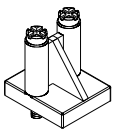
MANIFOLD
EMBASE MULTIPLE
BASE MULTIPLA

CODE	POS.	A	B
SB4010102	2	39.5	32.5
SB4010103	3	50	43
SB4010104	4	60.5	53.5
SB4010105	5	71	64
SB4010106	6	81.5	74.5
SB4010107	7	92	85
SB4010108	8	102.5	95.5
SB4010109	9	113	106
SB4010110	10	123.5	116.5



BLANKING PLATE
PLAQUE DE FERMATURE
PIASTRINA DI CHIUSURA

CODE: SB4010114



The direct control solenoid valves are particularly indicated for the assembling in any position thanks to their small dimensions.
They are available in sizes M5, 1/8 and 1/4 in the functions 3/2 NC (norm.close) o NO, (norm. open).

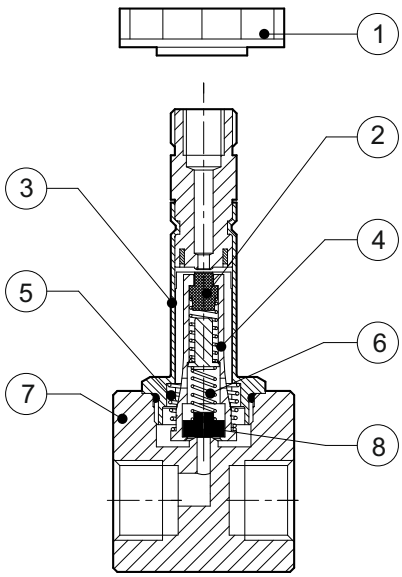
L'électrovalve à commande directe est particulièrement indiquée pour des montages quelque soit la position grâce à son faible encombrement. Elle est disponible dans les tailles M5-1/8-1/4 et la fonction en 3/2 normalement fermée ou normalement ouverte.

Gli elettropiloti a comando diretto sono particolarmente indicati per montaggio in qualsiasi posizione grazie alle dimensioni molto contenute. Sono disponibili nelle taglie M5, 1/8 e 1/4 nelle funzioni 3/2 NC (norm.chiuso) o NA (norm.aperto).

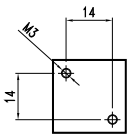
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

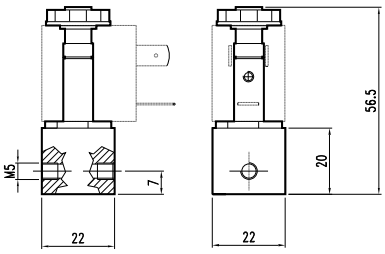
Fluid / **Fluide** / Fluido	lubricated or non lubricated air / **Air lubrifié ou non** / aria con o senza lubrificazione
Type / **Type** / Tipo	3/2 NC NA / 3/2 NC NO
Max operating pressure / **Pression max d'utilisation** / Pressione massima di esercizio	10 bar
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	-10C° + 50 C°
Flow rate to 6 bar and Δp 1 bar / **Débit a 6 bar et** Δp 1 bar / Portata a 6 bar e Δp 1 bar	M5: 40 Nl/min - 1/8: 50Nl/min - 1/4: 50Nl/min
Nominal orifice / **Diamétre nominal** / Diametro nominale	1,5mm
Tension tolerance / **Tolérance de tension** / Tolleranza di tensione	-10% - +15%
Response time / **Temps de réponse** / Tempo di risposta	10ms
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%
Rated power consumption / **Consommation** / Consumo a regime	DC: 3W - AC: 5VA
Coils tension / **Tension bobine** / Tensione bobine	24VDC - 24VAC - 110VAC - 220VAC 50/60Hz
Protection / **Protection** / Protezione /	IP 67

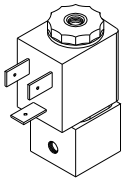
COMPONENTS / COMPOSANTS / COMPONENTI



pos.	description / **description** / descrizione	material / **Matière** / Materiale
1	nut / **ecrou** / dado	plastic / **plastique** / plastica
2	seal / **joint** / guarnizione	NBR
3	body / **corps** / corpo	brass / **laiton** / ottone
4	mobile core / **tiroir** / nucleo mobile	brass / **laiton** / ottone
5	spring / **ressort** / molla	steel / **acier** / acciaio
6	spring / **ressort** / molla	steel / **acier** / acciaio
7	body valve / **corps valve** / corpo valvola	aluminium / **aluminium** /alluminio
8	seal / **joint** / guarnizione	NBR

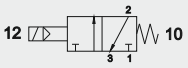






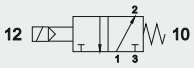
M5 3/2 NC
M5 3/2 NF
M5 3/2 NC

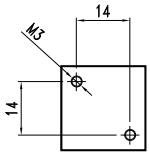
CODE: VD3122

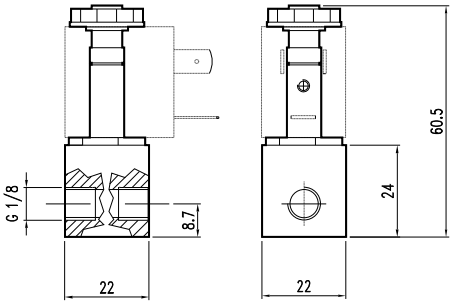


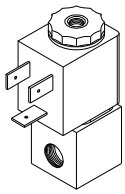
M5 3/2 NO
M5 3/2 NO
M5 3/2 NA

CODE: VD3121



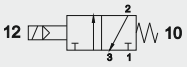






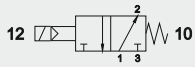
1/8 3/2 NC
1/8 3/2 NF
1/8 3/2 NC

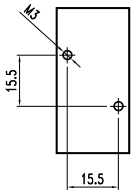
CODE: VD3222

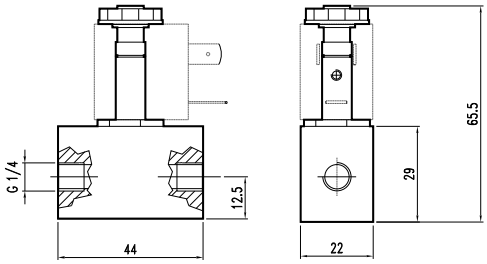


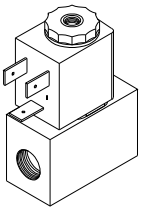
1/8 3/2 NO
1/8 3/2 NO
1/8 3/2 NA

CODE: VD3221



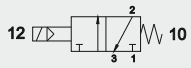






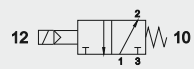
1/4 3/2 NC
1/4 3/2 NF
1/4 3/2 NC

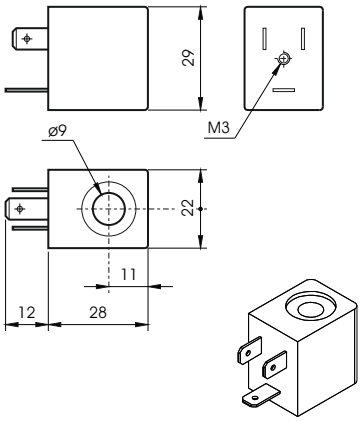
CODE: VD3322



1/4 3/2 NO
1/4 3/2 NO
1/4 3/2 NA

CODE: VD3321



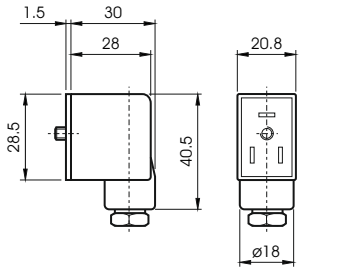


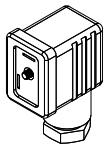
COILS / **BOBINE** / BOBINE

CODE	Power / Absorption / Assorbimento Tension **Tension** Tensione	Rated **Résistance** a regime	Inrush **De sortie** di spunto
BO4011024	24 VDC	3W	
BO4012024	24 VAC	5VA	7,5VA
BO4012110	110 VAC	5VA	7,5VA
BO4012220	220 VAC	5VA	7,5VA

TECHNICAL SPECIFICATIONS
CARACTERISTIQUES TECHNIQUES
CARATTERISTICHE TECNICHE

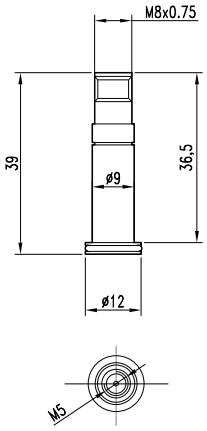
Tension tolerance / **Tolérance** / Tolleranza di tensione	+10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%

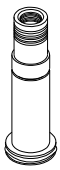




CONNECTORS
CONNECTEUR
CONNETTORI

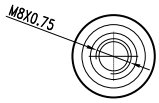
CODE	
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR 24V
VX0018	LED+VDR 110V
VX0019	LED+VDR 220V

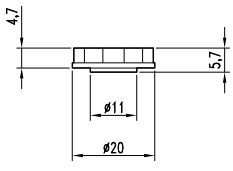




SOLENOID PILOT
ELECTROPILOTE
ELETTROPILOTA

CODE: EP43603





NUT
ECROU
DADO

CODE: DA42937

MODULAR DIRECTLY SOLENOID VALVES
ELECTROVALVES MODULAIRE A COMMANDE DIRECTE
ELETTROVALVOLE MODULARI A COMANDO DIRETTO

The electro valves with modular assembling system, on molded piece or on Omega bar DIN EN 50022. They grant quick reaction time and the possibility to manually act on the bi-stable screw.
They are available in the version 3/2 NC (norm.close) o NO, (norm. open) and the thread is 1/8.

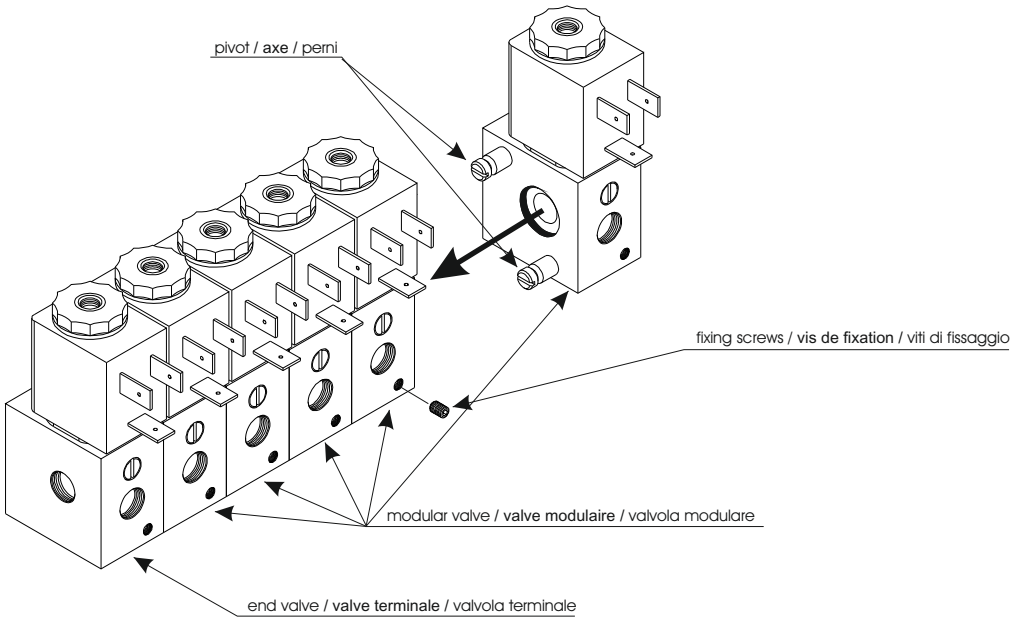
Les électrovalves à commande directe associable peuvent être assemblées entre elles ou sur un rail OMEGA DIN EN 50022.
Elles sont garanties pour un temps de réponse très rapide et sont équipées d'une vis bistable pour des interventions manuelles.
Elles sont disponibles en version 3/2 normalement fermée ou normalement ouverte et taraudées en G1/8.

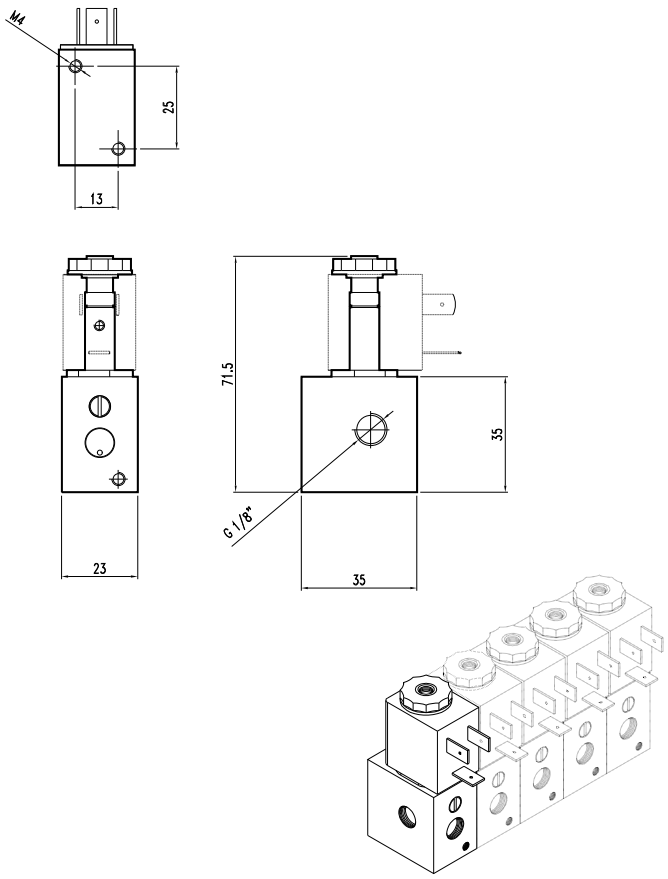
Le elettrovalvole a comando diretto modulari, consentono il montaggio universale delle valvole, su pezzo fisso o su barra Omega DIN EN 50022.
Inoltre garantiscono tempi di risposta molto veloci e la possibilità di intervenire manualmente sulla vite bistabile.
Sono disponibili nella versione 3/2 NC (norm.chiuso) o NA, (norm.aperto) ed hanno il filetto da 1/8.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / **Fluide** / Fluido	lubricated or non lubricated air / **Air lubrifié ou non** / aria con o senza lubrificazione
Type / **Type** / Tipo	3/2
Max operating pressure / **Pression max d'utilisation** / Pressione massima di esercizio	10 bar
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	10C° + 50 C°
Flow rate to 6 bar and Δp 1 bar / **Débit a 6 bar et** Δp 1 bar / Portata a 6 bar e Δp 1 bar	50 Nl/min
Nominal orifice / **Diamétre nominal** / Diametro nominale	1,5 mm
Ttension tolerance / **Tolérance de tension** / Tolleranza di tensione	-10% - +15%
Response time / **Temps de réponse** / Tempo di risposta	10 ms
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%
Rated power consumption / **Consommation** / Consumo a regime	DC: 3W - AC: 5VA
Coils tension / **Tension bobine** / Tensione bobine	24 VDC - 24 VAC - 110 VAC - 220 VAC 50/60Hz
Protection / **Protection** / Protezione /	IP 67

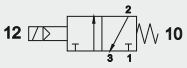
ASSEMBLY SYSTEM / SYSTEME DE MONTAGE / SISTEMA DI MONTAGGIO





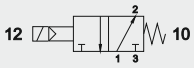
END VALVE 3/2 NC
VALVE TERMINALE 3/2 NF
VALVOLA TERMINALE 3/2 NC

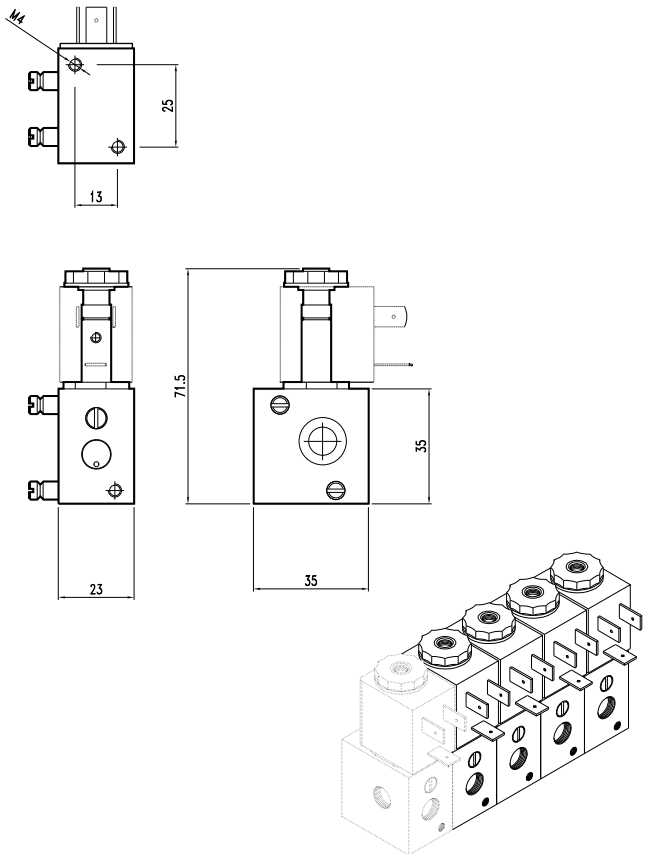
CODE: VD32121



END VALVE 3/2 NO
VALVE TERMINALE 3/2 NO
VALVOLA TERMINALE 3/2 NA

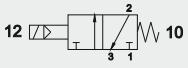
CODE: VD32111





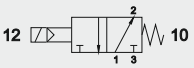
MODULAR VALVE 3/2 NC
VALVE MODULAIRE 3/2 NF
VALVOLA MODULARE 3/2 NC

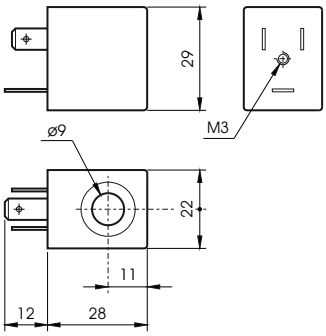
CODE: VD32122

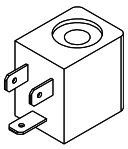


MODULAR VALVE 3/2 NO
VALVE MODULAIRE 3/2 NO
VALVOLA MODULARE 3/2 NA

CODE: VD32112



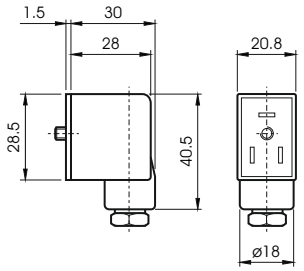


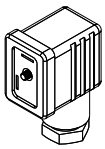


COIL / **BOBINE** / BOBINE

CODE	Power / Absorption / Assorbimento Tension **Tension** Tensione	Rated **Résistance** A regime	Inrush **De sortie** di spunto
BO4011024	24 VDC	3W	
BO4012024	24 VAC	5VA	7,5VA
BO4012110	110 VAC	5VA	7,5VA
BO4012220	220 VAC	5VA	7,5VA

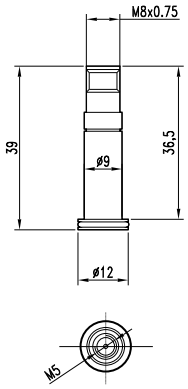
CARATTERISTICHE TECNICHE / TECHNICAL SPECIFICATIONS / CARACTERISTIQUES TECHNIQUES	
Tension tolerance / **Tolérance** / Tolleranza di tensione	+10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Temp. max di esercizio / **Température max d'utilisation** / Temp. max d'utilisation	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%

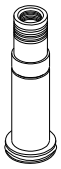




CONNECTORS
CONNECTEUR
CONNETTORI

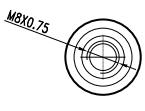
CODE	
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR 24V
VX0018	LED+VDR 110V
VX0019	LED+VDR 220V

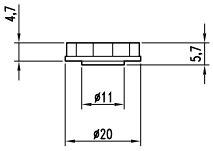




SOLENOID PILOT
PILOTE
CANOTTO

CODE: EP43603

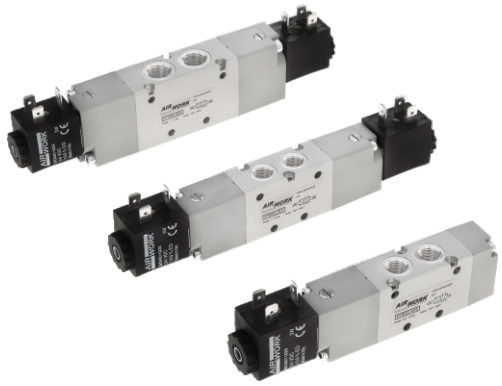




NUT
ECROU
DADO

CODE: DA42937

SOLENOID VALVES VY SERIES
ELECTROVALVES SÉRIES VY
ELETTROVALVOLE SERIE VY



Airwork's solenoid valves combine big resistance, reliability and versatility of assemblage; the VY series can be assembled in several ways:
In-line, on panel, on multiple bases, on manifolds and on cylinders.
Available size are 1/8,1/4 and 1/2, the available functions are 3/2, 5/2 e 5/3.

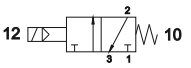
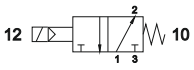
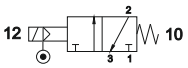
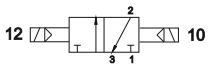
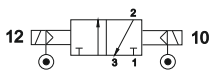
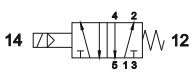
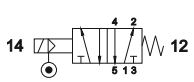
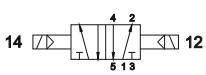
La série des électrodistributeurs à raccordement direct série VY d'AIRWORK a des caractéristiques multiples de robustesse, de fiabilité et de montage.
En ligne, sur embase multiple, assemblée et directement sur le vérin.
Elle est disponible en taille 1/8, 1/4 et 1/2 ainsi qu'en fonction 3/2,5/2 et 5/3.

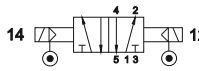
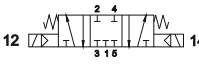
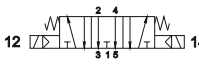
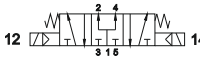
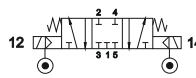
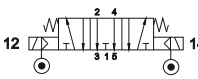
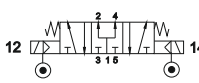
La serie di elettrovalvole di Airwork, possiedono caratteristiche di grande robustezza, affidabilità e versatilità di montaggio, infatti la serie VY si possono montare in diversi modi: in linea, a parete, su base multipla, su collettori e persino su cilindro.
Sono disponibili in tra taglie 1/8, 1/4 e 1/2 nelle funzioni 3/2, 5/2 e 5/3.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Flow rate 6 bar Δp 1bar / Debit a 6 bar Δp 1bar / Portata a 6 bar Δp 1bar	1/8=550 Nl/min - 1/4=1100 Nl/min - 1/2=4600Nl/min
Nominal orifice / Diamètre nominal / Diametro nominale	1/8=5mm - 1/4=7.5mm - 1/2=13mm
Response times mono-stable / Temps réponse monostable / Tempi risposta monostabile	(1/8=TRA 15ms / TRR 35ms) (1/4=TRA 19ms / TRR 45ms) (1/2=TRA 39ms /TRR 60ms)
Response times bi-stable / Temps réponse bistable / Tempi risposta bistastabile	(1/8=TRA 20ms / TRR 20ms) (1/4=TRA 22ms / TRR 22ms) (1/2=TRA 90ms / TRR 90 ms)
Coils tension / Tension bobine / Tensione bobine	24VDC - 24VAC - 110VAC - 220VAC 50/60Hz
Pressure range / Pression d'utilisation / Pressione di esercizio	
* Monostable / Monostable / Monostabile	2.5 ÷ 10bar
* Bistable / Bistable / Bistabile	1 ÷ 10bar
* Separated air supply / Alimentation séparée / Alimentaz.separata	max 10bar
Temperature range / Temperature d'utilisation / Temperatura di esercizio	-10 C° ÷ +60c°
Voltage tolerance / Tolerance / Tolleranza tensione	±10%
Power consumption / Absorbtion / Assorbimento	2W (DC) - 3VA (AC)
Isulation / Classe / Isolamento	classe F

FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

	monostable / monostable / monostabile			
	VY83ELMNC	3/2	1/8	NC / NF / NC
	VY43ELMNC	3/2	1/4	NC / NF / NC
	VY23ELMNC	3/2	1/2	NC / NF / NC
	monostable / monostable / monostabile			
	VY83ELMNA	3/2	1/8	NO / NO / NA
	VY43ELMNA	3/2	1/4	NO / NO / NA
	VY23ELMNA	3/2	1/2	NO / NO / NA
	separate air supply / alimentation séparée / alimentazione separata			
	VY83EAMNC	3/2	1/8	NC / NF / NC
	VY43EAMNC	3/2	1/4	NC / NF / NC
	VY23EAMNC	3/2	1/2	NC / NF / NC
	bistable / bistable / bistabile			
	VY83ELB00	3/2	1/8	
	VY43ELB00	3/2	1/4	
	VY23ELB00	3/2	1/2	
	separate air supply / alimentation séparée / alimentazione separata			
	VY83EAB00	3/2	1/8	
	VY43EAB00	3/2	1/4	
	VY23EAB00	3/2	1/2	
	monostable / monostable / monostabile			
	VY85ELM00	5/2	1/8	
	VY45ELM00	5/2	1/4	
	VY25ELM00	5/2	1/2	
	separate air supply / alimentation séparée / alimentazione separata			
	VY85EAM00	5/2	1/8	
	VY45EAM00	5/2	1/4	
	VY25EAM00	5/2	1/2	
	double solenoid / double commande elect. / doppio comando elettrico			
	VY85ELB00	5/2	1/8	
	VY45ELB00	5/2	1/4	
	VY25ELB00	5/2	1/2	

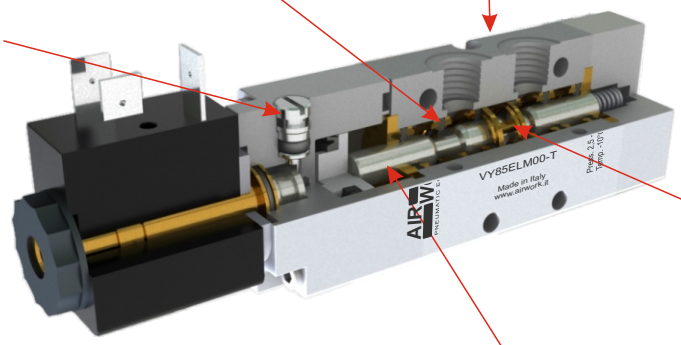
	separate air supply / alimentation séparée / alimentazione separata			
	VY85EAB00	5/2	1/8	
	VY45EAB00	5/2	1/4	
	VY25EAB00	5/2	1/2	
	monostable / monostable / monostabile			
	VY86ELMCC	5/3	1/8	CC / CF / CC
	VY46ELMCC	5/3	1/4	CC / CF / CC
	VY26ELMCC	5/3	1/2	CC / CF / CC
	monostable / monostable / monostabile			
	VY86ELMCA	5/3	1/8	CO / CO / CA
	VY46ELMCA	5/3	1/4	CO / CO / CA
	VY26ELMCA	5/3	1/2	CO / CO / CA
	monostable / monostable / monostabile			
	VY86ELMCP	5/3	1/8	CP / CP / CP
	VY46ELMCP	5/3	1/4	CP / CP / CP
	VY26ELMCP	5/3	1/2	CP / CP / CP
	separate air supply / alimentation séparée / alimentazione separata			
	VY86EAMCC	5/3	1/8	CC / CF / CC
	VY46EAMCC	5/3	1/4	CC / CF / CC
	VY26EAMCC	5/3	1/2	CC / CF / CC
	separate air supply / alimentation séparée / alimentazione separata			
	VY86EAMCA	5/3	1/8	CO / CO / CA
	VY46EAMCA	5/3	1/4	CO / CO / CA
	VY26EAMCA	5/3	1/2	CO / CO / CA
	separate air supply / alimentation séparée / alimentazione separata			
	VY86EAMCP	5/3	1/8	CP / CP / CP
	VY46EAMCP	5/3	1/4	CP / CP / CP
	VY26EAMCP	5/3	1/2	CP / CP / CP

THE KEY POINTS / LES POINTS CLES / I PUNTI DI FORZA

Spool seals high quality to guarantee operation under all conditions and temperatures.
Joints titoir de haute qualité pour assurer un fonctionnement sans problème dans toutes les conditions et les températures.
Guarnizioni spola ad altissima qualità per garantire un funzionamento perfetto in tutte le condizioni e temperatura.

Valve's body is very important and it is realized from a full bar, turned and milled on CNC machines, then anodized to give more strength to it and painted to cover any possible outside imperfection.
Le corps de vanne est très important et il est réalisé à partir d'un bar, tournées et fraisées sur des machines CNC, puis anodisé pour donner plus de force et peint.
Il corpo valvola è molto importante ed è realizzato da una barra piena, tornito e fresato su macchine a controllo numerico, quindi anodizzato per dare più durezza alla superfice e poi verniciato.

Manual operating in steel nickel-plated unlike the plastic component this one provides strength and precision even after many interventions.
Commande manuelle en acier plaqué au nickel à différence du composant en plastique présente une résistance et fournit une précision même après de nombreuses interventions.
L'intervento manuale in acciaio nichelato a differenza di componenti in plastica, fornisce la resistenza e precisione anche dopo molti interventi.



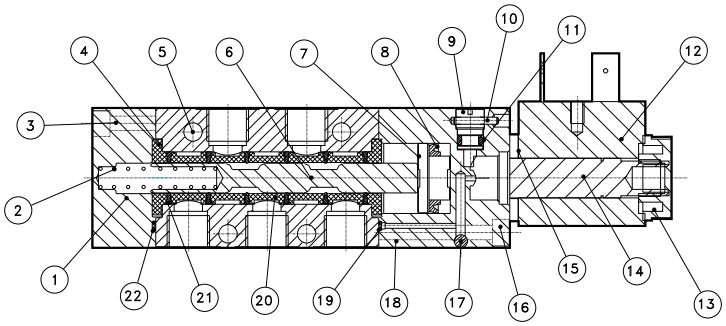
Spacer cages in brass.
Unlike the plastic, brass ones do not deform with the change of temperature, giving more stability to the seals and avoiding any possible backlash.
Cages d'espacement en laiton.
Contrairement à la matière plastique, les cuivres ne déforment pas avec le changement de température, ce qui donne une plus grande stabilité des joints et d'éviter toute réaction possible.
Le gabbie distanziali in ottone a differenza della plastica, l'ottone non si deforma con il cambiamento di temperatura dando maggiore stabilità alle guarnizioni ed evitando ogni possibile reazione.

Machined aluminum spool precisely finished with chemical nickel treatment: the result is very low roughness and a longer duration of seals
Titoir en aluminium usinées fini précisément avec le traitement de nickel chimique: le résultat est très faible rugosité et une plus longue durée de joints
Spola in alluminio lavorato con finitura di precisione con trattamento di nichelatura chimica: il risultato è una rugosità molto bassa e una maggiore durata delle guarnizioni spola.

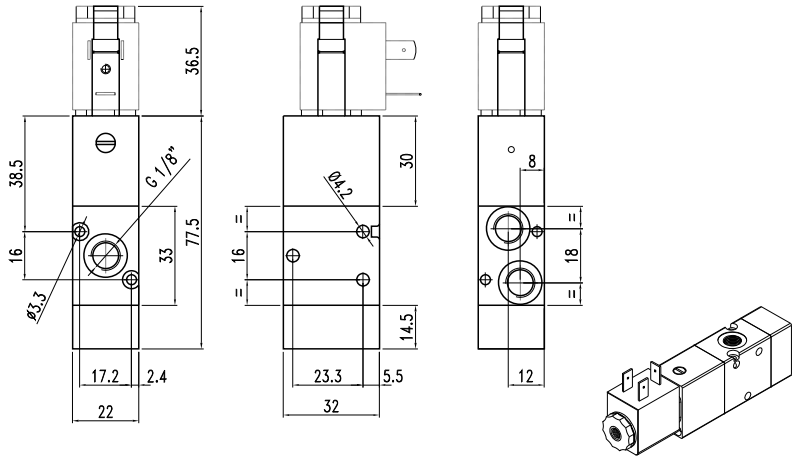
Other strengths / Autres points forts / Altri punti di forza

- Guaranteed for 50 million cycles / Garanti pour 50 millions de cycles /Garantita per 50 milioni di cicli.
- Manifolds mounting / Collecteurs de montage / collettori di montaggio.
- Wall mounting / montage mural / montaggio a parete
- Cylinder mounting / Montage sur vèrin / montaggio su cilindro
- Strong and stylish packaging / emballage solide et élégant / imballaggio solido ed elegante

COMPONENTS / COMPOSANTS / COMPONENTI

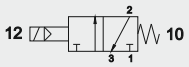


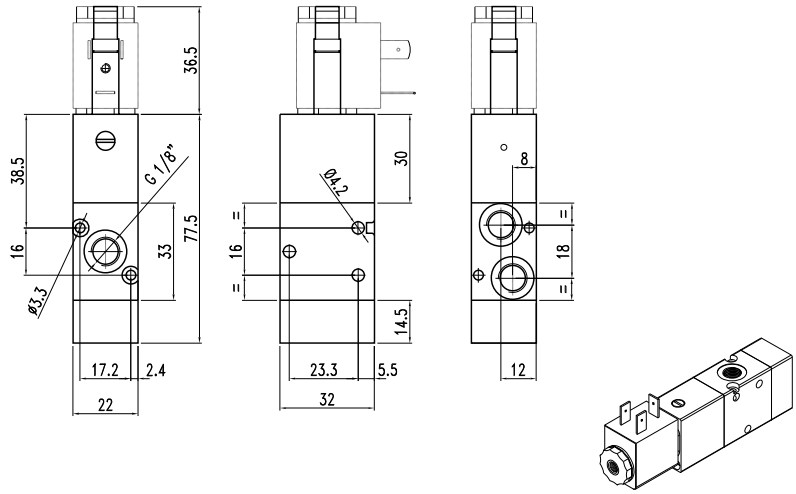
pos.	description / description / descrizione	material / matiere / materiale
1	spring bottom / fond ressort / fondello molla	plastic and aluminium / plastic et aluminium / plastica e alluminio
2	spring / ressort / molla	C98 steel / acier C98 / acciaio C98
3	screw / vis / vite	steel / acier / acciaio
4	spool distance / tiroir distanciel / distanziale spola	brass / laiton / ottone
5	body valve / corps valve / corpo valvola	aluminium / aluminium / alluminio
6	spool / titoir / spola	aluminium / aluminium / alluminio
7	piston / piston / pistone	Delring 500
8	piston seal / joint piston / guarnizione pistone	NBR
9	manual operating / commande manuelle / intervento manuale	brass / laiton / ottone
10	plug / rotor / spina	steel / acier / acciaio
11	o-ring / joint torique	NBR
12	coil / bobine / bobina	
13	nut M8x0,75 / ecrou M8x0,75 / dado M8x0,75	plastic / plastique / plastica
14	tube / tube / tubetto	brass / laiton / ottone
15	tube plaque / tube / piastrina tubetto	steel / acier / acciaio
16	screw / vis / vite	steel / acier / acciaio
17	sphere / sphere / sfera	steel / acier / acciaio
18	electric bottom / fond electreique / fondello elettrico	plastic and aluminium / plastic et aluminium / plastica e alluminio
19	o-ring / joint torique	NBR
20	cage distance / cage distance / distanziale gabbia	brass / laiton / ottone
21	spool seal / joint du tiroir / guarnizioni spola	NBR
22	o-ring / joint torique	NBR



1/8 - 3/2 NC monostable
1/8 - 3/2 NF monostable
1/8 - 3/2 NC monostabile

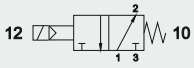
CODE: VY83ELMNC

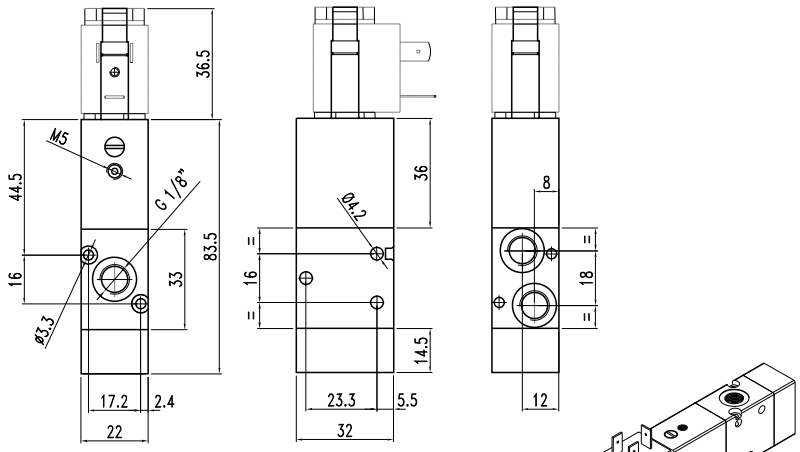




1/8 - 3/2 NO monostable
1/8 - 3/2 NO monostable
1/8 - 3/2 NA monostabile

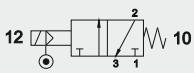
CODE: VY83ELMNA

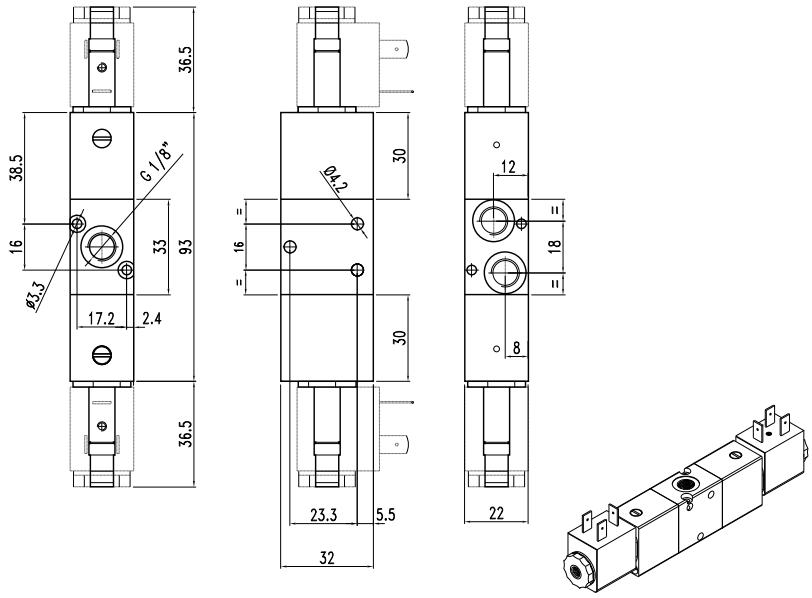




1/8 - 3/2 NC monostable separate air supply
1/8 - 3/2 NF monostable alimentation séparée
1/8 - 3/2 NC monostabile alimentazione separata

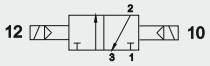
CODE: VY83EAMNC

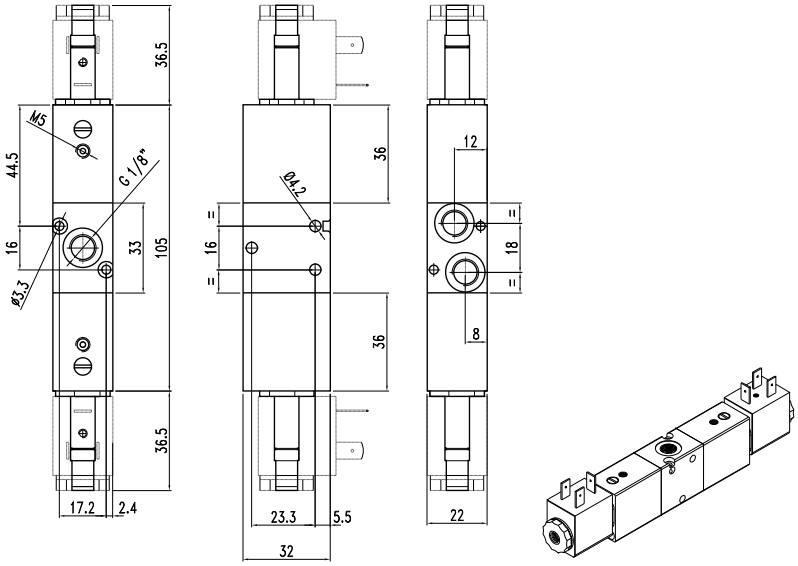




1/8 - 3/2 bistable
1/8 - 3/2 bistable
1/8 - 3/2 bistabile

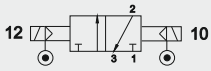
CODE: VY83ELB00

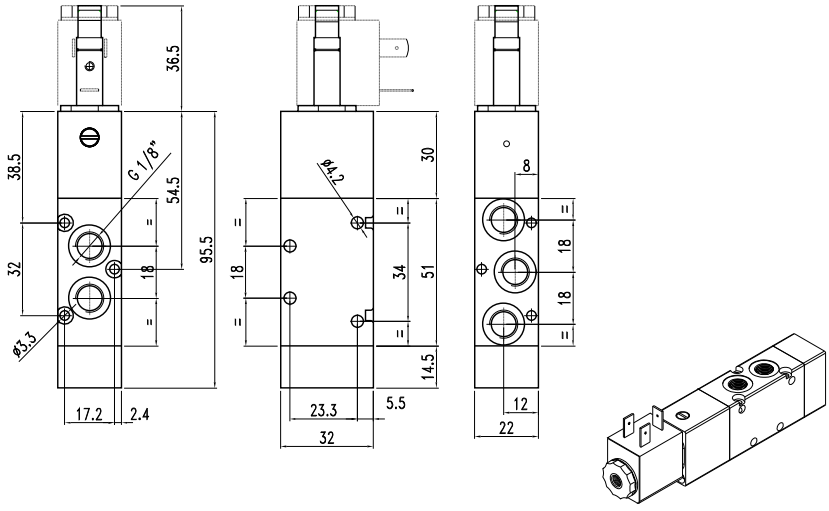




1/8 - 3/2 bistable separate air supply
1/8 - 3/2 bistable alimentation séparée
1/8 - 3/2 bistabile alimentazione separata

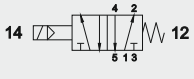
CODE: VY83EAB00

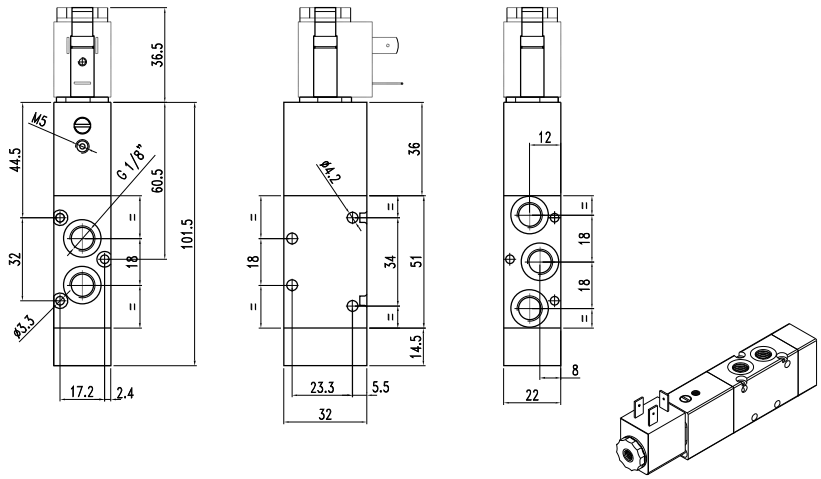




1/8 - 5/2 monostable
1/8 - 5/2 monostable
1/8 - 5/2 monostabile

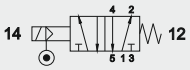
CODE: VY85ELM00

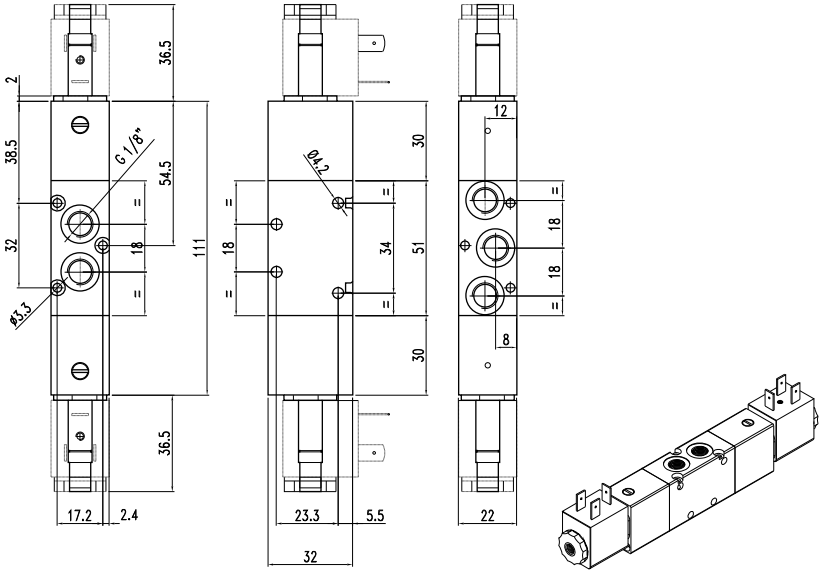




1/8 - 5/2 monostable separate air supply
1/8 - 5/2 monostable alimentation séparée
1/8 - 5/2 monostabile alimentazione separata

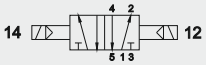
CODE: VY85EAM00

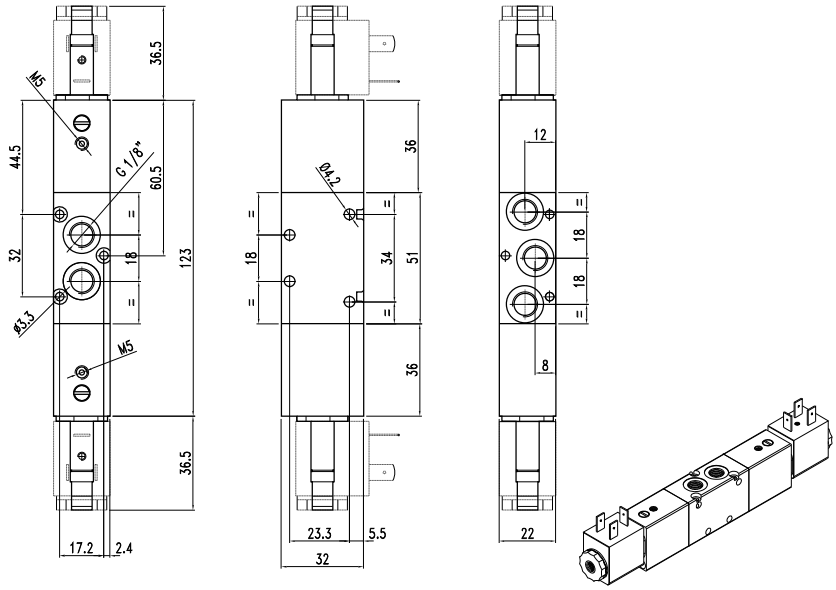




1/8 - 5/2 bistable
1/8 - 5/2 bistable
1/8 - 5/2 bistabile

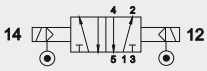
CODE: VY85ELB00

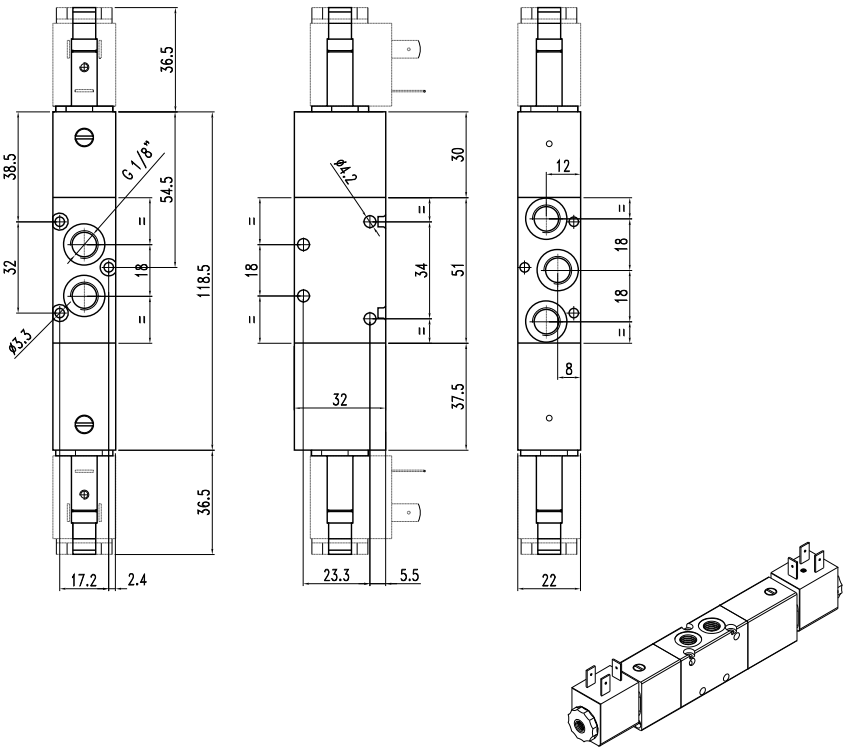




1/8 - 5/2 bistable separate air supply
1/8 - 5/2 bistable alimentation séparée
1/8 - 5/2 bistabile alimentazione separata

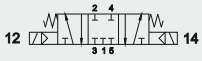
CODE: VY85EAB00





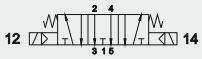
1/8 - 5/3 monostable
1/8 - 5/3 monostable
1/8 - 5/3 monostabile

CODE: VY86ELMCC



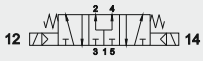
closed centres
centre fermé
centri chiusi

CODE: VY86ELMCA

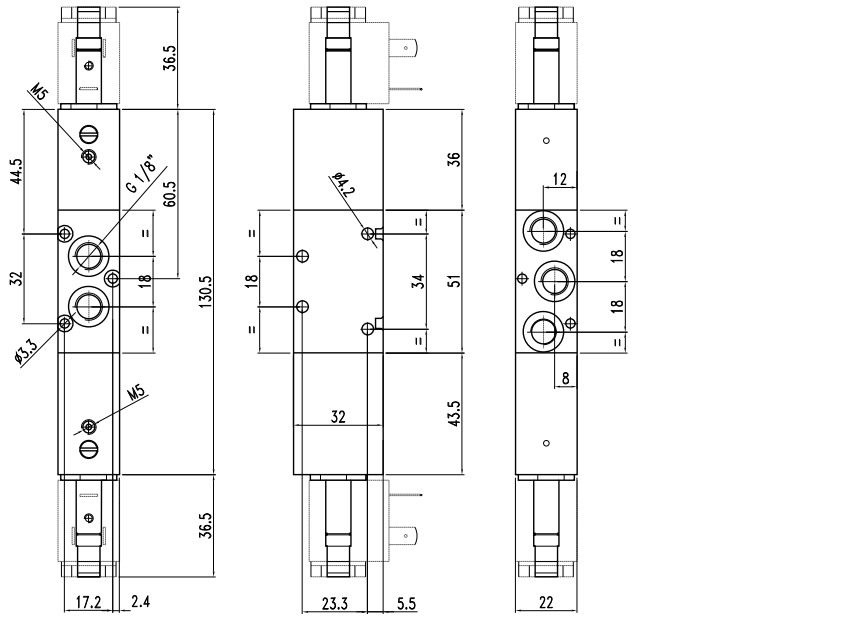


open centres
centre ouvert
centri aperti

CODE: VY86ELMCP

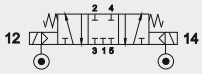


press. centres
centre en pression
centri in pressione



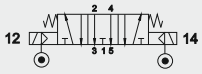
1/8 - 5/3 monostable separate air supply
1/8 - 5/3 monostable alimentation séparée
1/8 - 5/3 monostabile alimentazione separata

CODE: VY86EAMCC



closed centres
centre fermé
centri chiusi

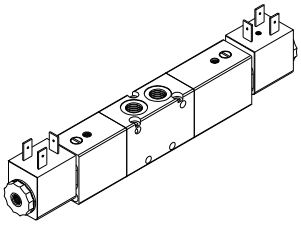
CODE: VY86EAMCA

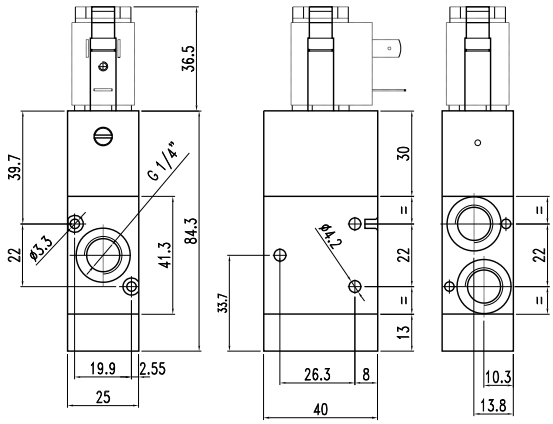


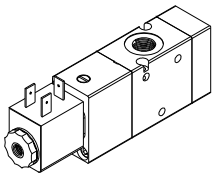
open centres
centre ouvert
centri aperti

CODE: VY86EAMCP

press. centres
centre en pression
centri in pressione

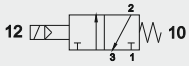


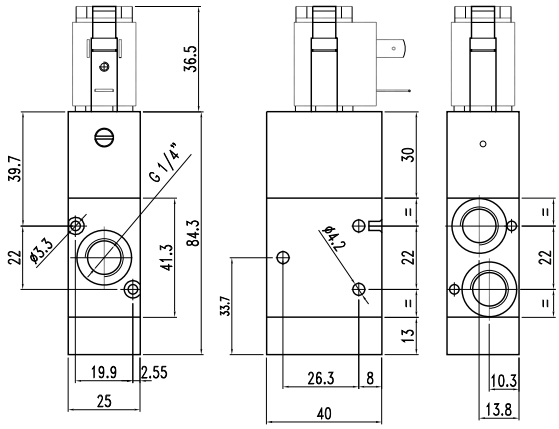


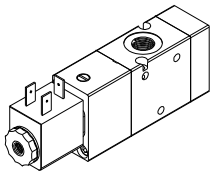


1/4 - 3/2 NC monostable
1/4 - 3/2 NF monostable
1/4 - 3/2 NC monostabile

CODE: VY43ELMNC

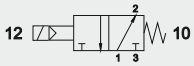


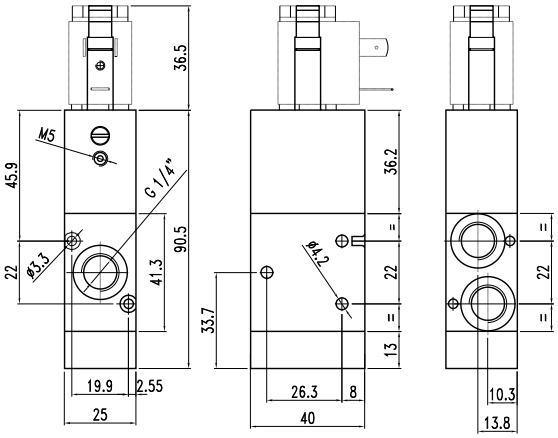


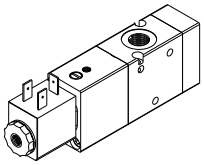


1/4 - 3/2 NO monostable
1/4 - 3/2 NO monostable
1/4 - 3/2 NA monostabile

CODE: VY43ELMNA

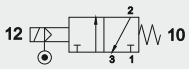


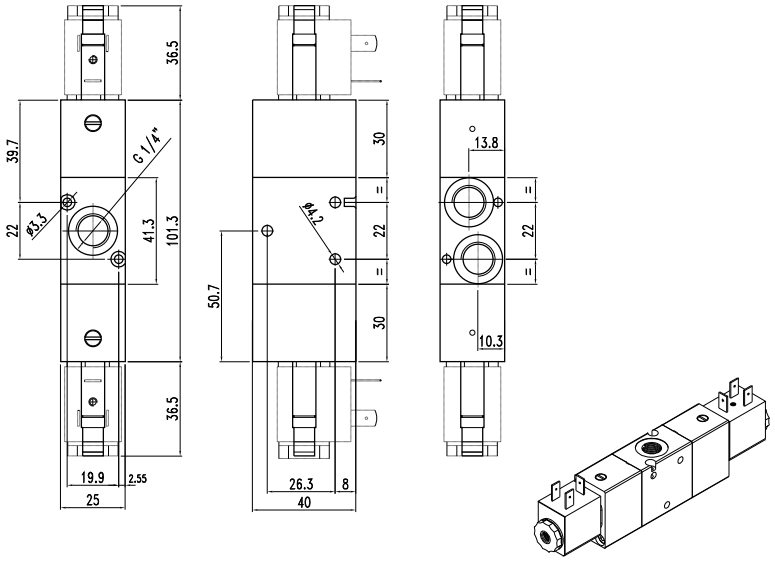




1/4 - 3/2 NC monostable separate air supply
1/4 - 3/2 NF monostable alimentation séparée
1/4 - 3/2 NC monostable alimentazione separata

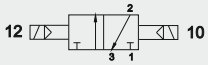
CODE: VY43EAMNC

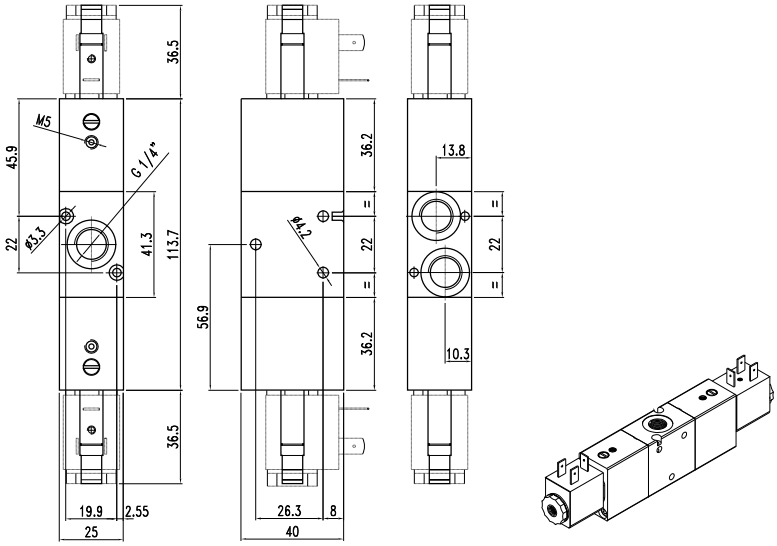




1/4 - 3/2 bistable
1/4 - 3/2 bistable
1/4 - 3/2 bistabile

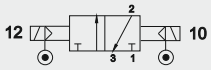
CODE: VY43ELB00

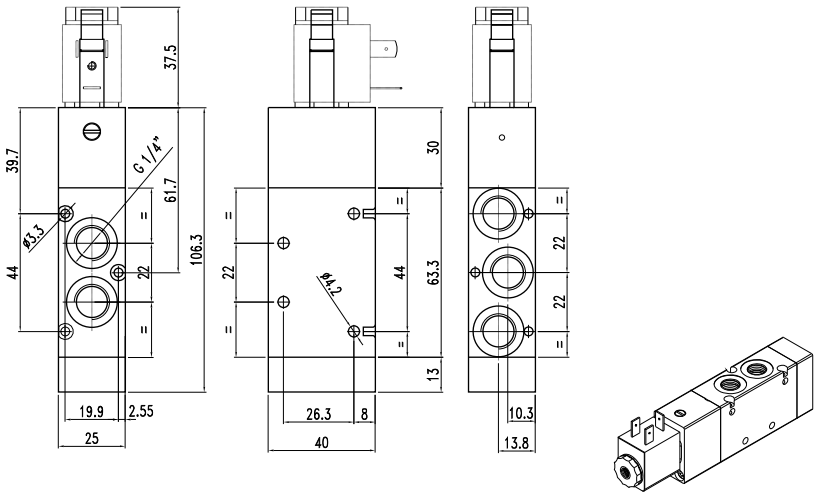




1/4 - 3/2 bistable separate air supply
1/4 - 3/2 bistable alimentation séparée
1/4 - 3/2 bistabile alimentazione separata

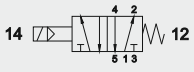
CODE: VY43EAB00

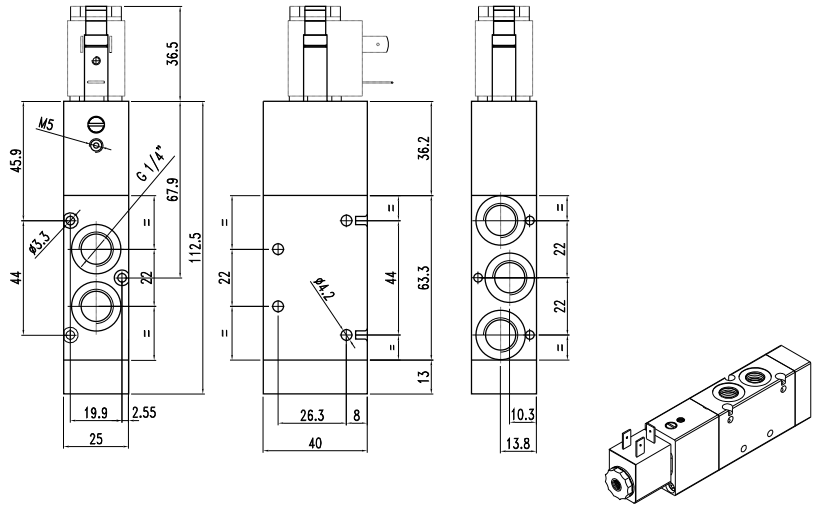




1/4 - 5/2 monostable
1/4 - 5/2 monostable
1/4 - 5/2 monostabile

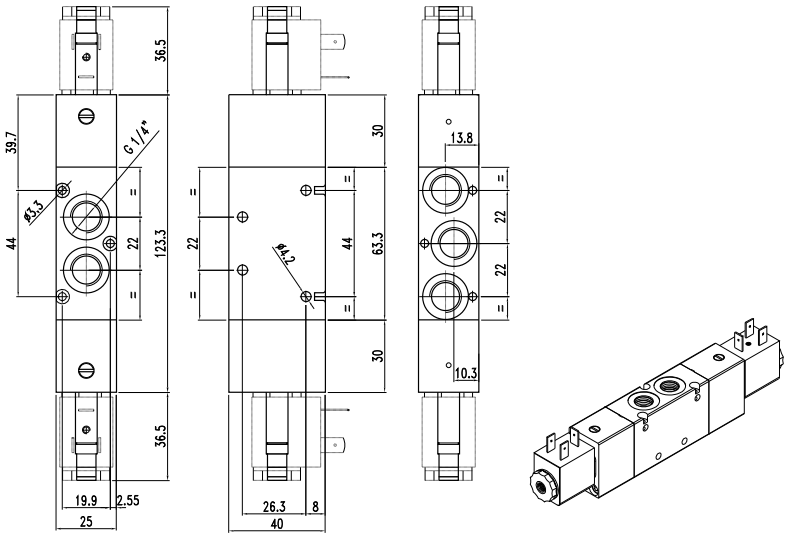
CODE: VY45ELM00





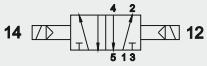
1/4 - 5/2 monostable separate air supply
1/4 - 5/2 monostable alimentation séparée
1/4 - 5/2 monostabile alimentazione separata

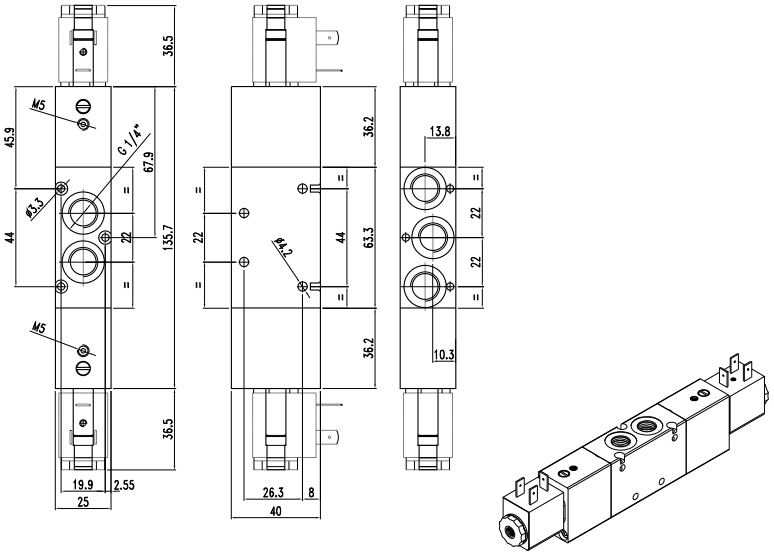
CODE: VY45EAM00



1/4 - 5/2 bistable
1/4 - 5/2 bistable
1/4 - 5/2 bistabile

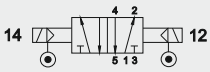
CODE: VY45ELB00

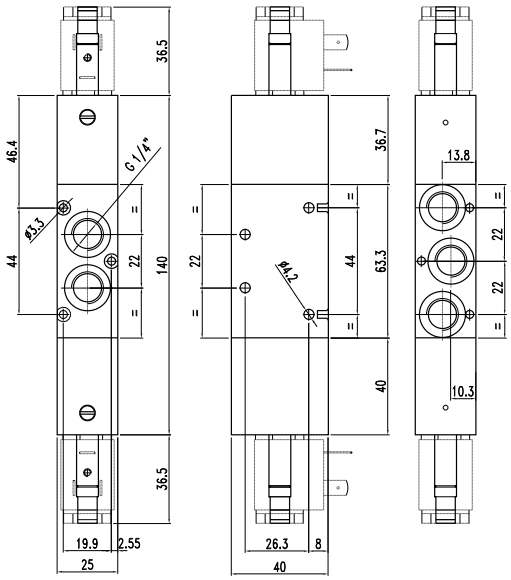


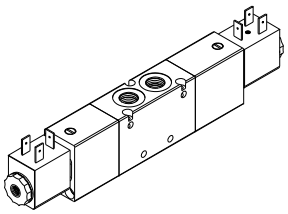


1/4 - 5/2 bistable separate air supply
1/4 - 5/2 bistable alimentation séparée
1/4 - 5/2 bistabile alimentazione separata

CODE: VY45EAB00

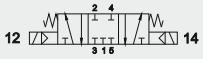




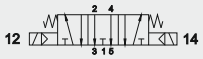


1/4 - 5/3 monostable
1/4 - 5/3 monostable
1/4 - 5/3 monostabile

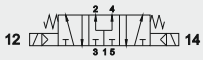
CODE: VY46ELMCC — closed centres, **centre fermé**, centri chiusi

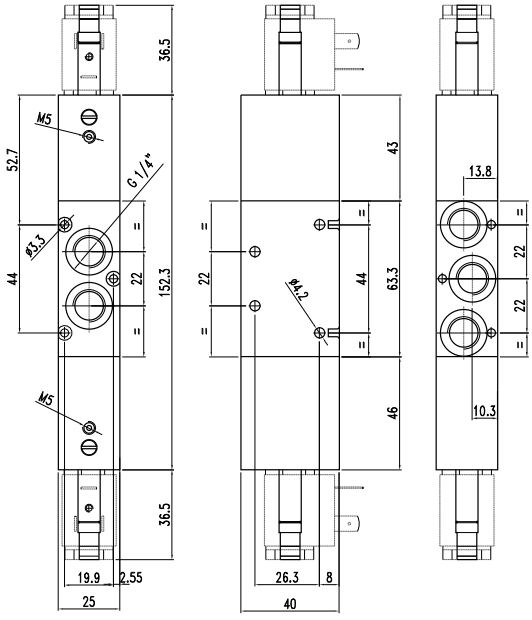


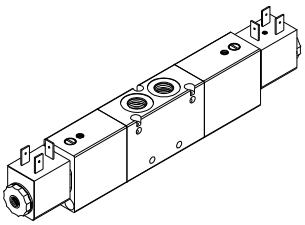
CODE: VY46ELMCA — open centres, **centre ouvert**, centri aperti



CODE: VY46ELMCP — press. centres, **centre en pression**, centri in pressione

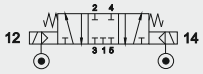




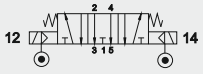


1/4 - 5/3 monostable separate air supply
1/4 - 5/3 monostable alimentation séparée
1/4 - 5/3 monostabile
alimentazione separata

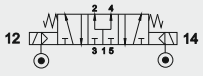
CODE: VY46EAMCC — closed centres, **centre fermé**, centri chiusi

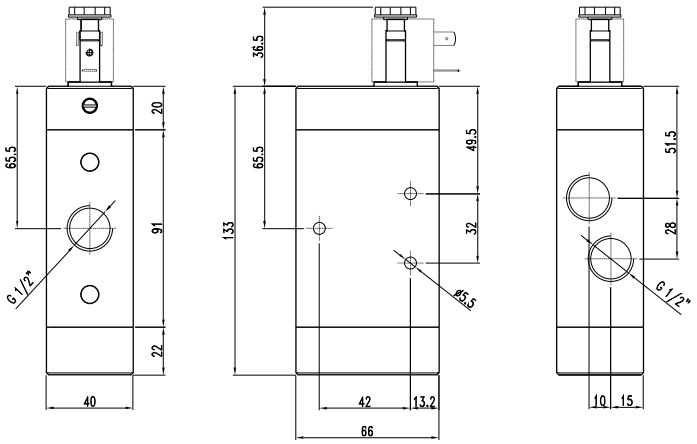


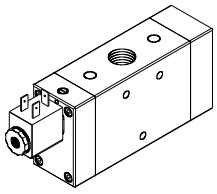
CODE: VY46EAMCA — open centres, **centre ouvert**, centri aperti



CODE: VY46EAMCP — press. centres, **centre en pression**, centri in pressione

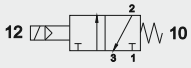






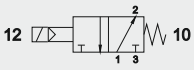
1/2 - 3/2 NC monostable
1/2 - 3/2 NF monostable
1/2 - 3/2 NC monostabile

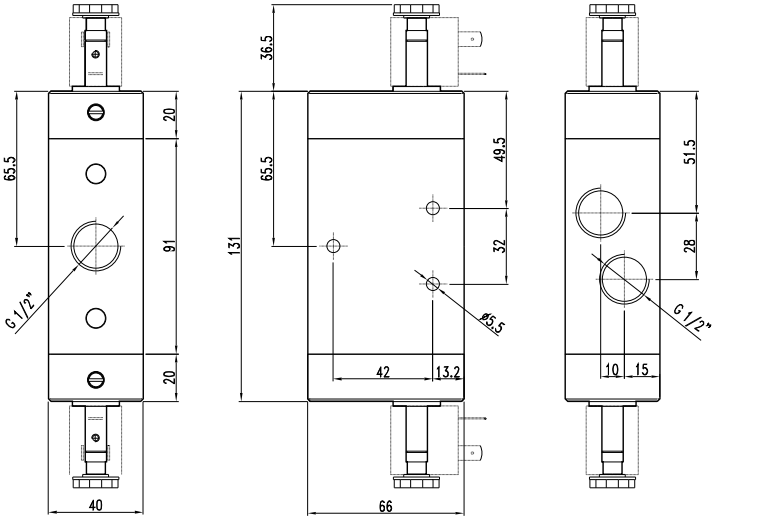
CODE: VY23ELMNC

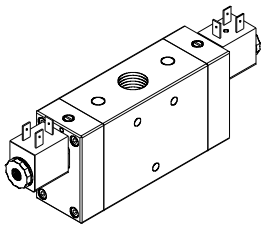


1/2 - 3/2 NO monostable
1/2 - 3/2 NO monostable
1/2 - 3/2 NA monostabile

CODE: VY23ELMNA

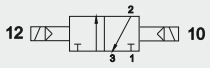


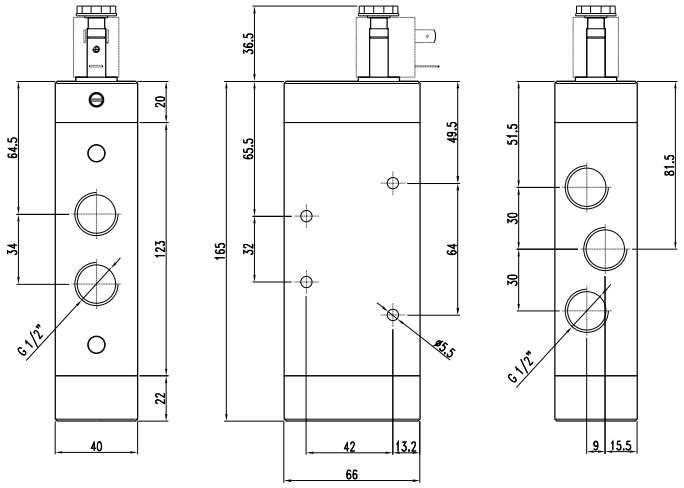


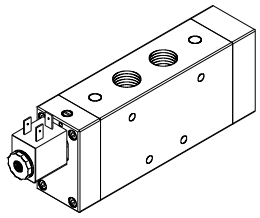


1/2 - 3/2 bistable
1/2 - 3/2 bistable
1/2 - 3/2 bistabile

CODE: VY23ELB00

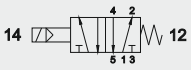


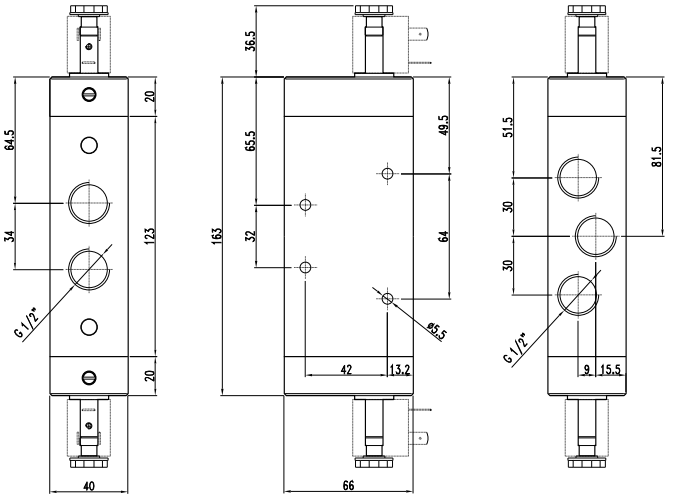


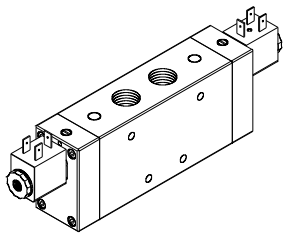


1/2 - 5/2 monostable
1/2 - 5/2 monostable
1/2 - 5/2 monostabile

CODE: VY25ELM00

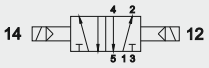




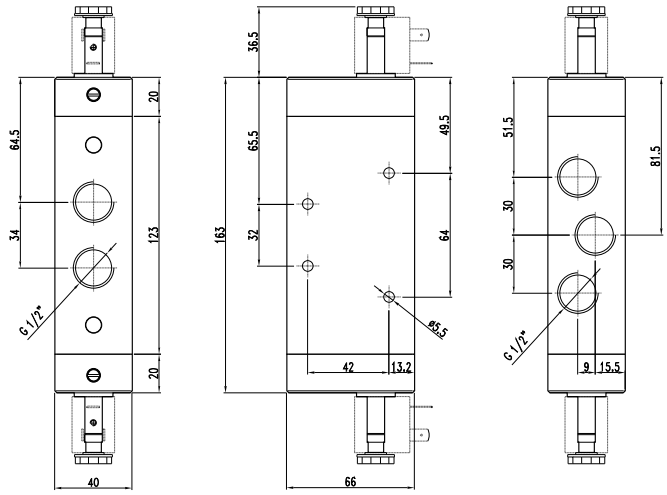


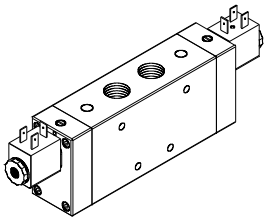
1/2 - 5/2 bistable
1/2 - 5/2 bistable
1/2 - 5/2 bistabile

CODE: VY25ELB00



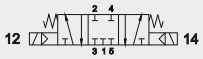
SOLENOID VALVES VY SERIES
ELECTROVALVES SÉRIES VY
ELETTROVALVOLE SERIE VY





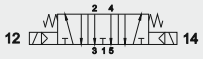
1/2 - 5/3 monostable
1/2 - 5/3 monostable
1/2 - 5/3 monostabile

CODE: VY26ELMCC



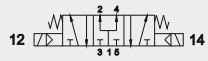
closed centres
centre fermé
centri chiusi

CODE: VY26ELMCA

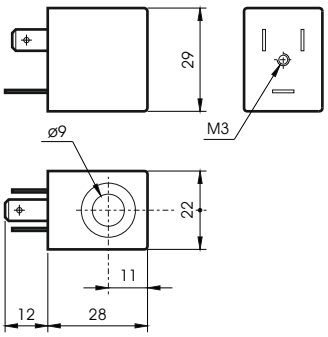


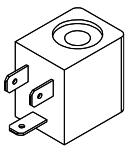
open centres
centre ouvert
centri aperti

CODE: VY26ELMCP



press. centres
centre en pression
centri in pressione

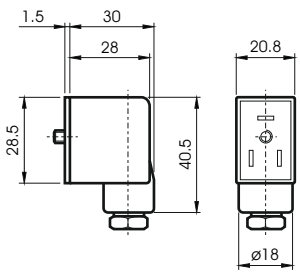


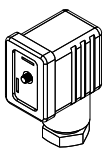


COILS
BOBINE
BOBINE

CODE	Tension / Tension / Tensione	Power / Absorption / Assorbimento: Rated / regime / a regime	Inrush / de sortie / di spunto
BO4011024	24 VDC	3W	
BO4012024	24 VAC	5VA	7,5VA
BO4012110	110 VAC	5VA	7,5VA
BO4012220	220 VAC	5VA	7,5VA

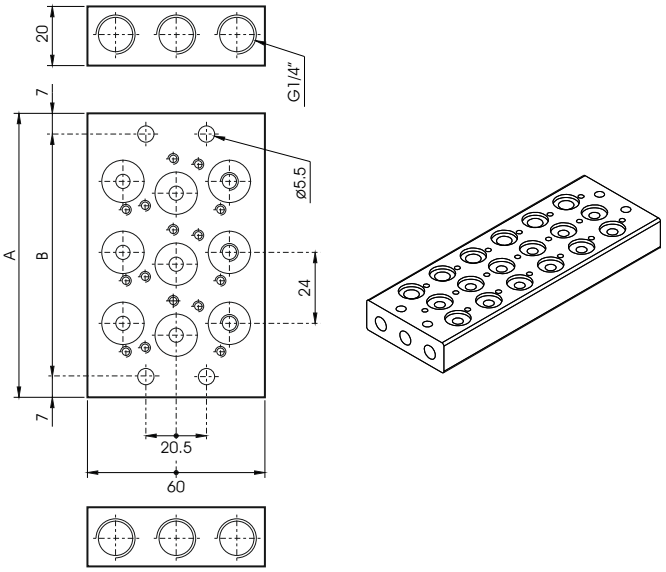
CARATTERISTICHE TECNICHE / **TECHNICAL SPECIFICATIONS** / CARACTERISTIQUES TECHNIQUES	
Tension tolerance / **Tolerance** / Tolleranza di tensione	+10%
Protection with connector/**Protection avec connecteur**/Protezione con connettore	IP65
Max working temp. / **Temperature max d'utilisation** / Temp. max di esercizio	+50 C°
Duty cycle / **Temps d enclenchement** / Inserimento	ED 100%





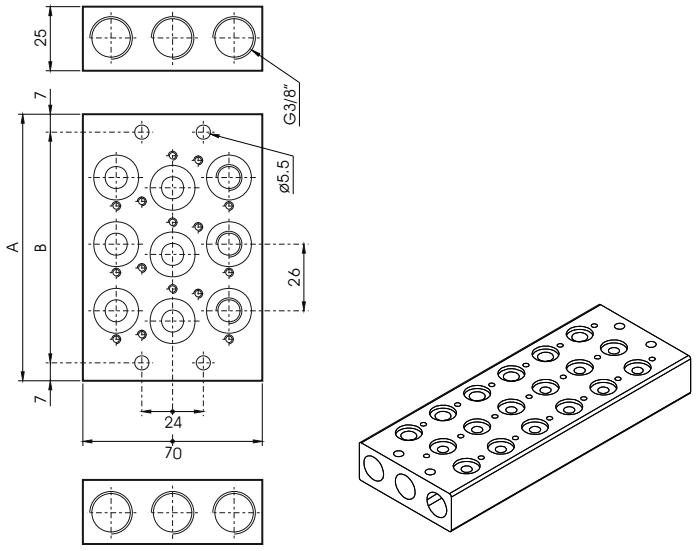
CONNECTORS
CONNECTEUR
CONNETTORI

CODE	
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR 24V
VX0018	LED+VDR 110V
VX0019	LED+VDR 220V



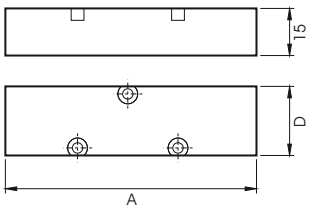
MANIFOLD FOR 1/8 VALVES
EMBASE MULTIPLE POUR VALVE 1/8
SOTTOBASE PER VALVOLE 1/8

CODE	STATIONS	A	B
SB407202	2	72	58
SB407203	3	96	82
SB407204	4	120	106
SB407205	5	144	130
SB407206	6	168	154
SB407207	7	192	178
SB407208	8	216	202
SB407209	9	240	226
SB407210	10	264	250



MANIFOLD FOR 1/4 VALVES
EMBASE MULTIPLE POUR VALVE EN 1/4
SOTTOBASE PER VALVOLE 1/4

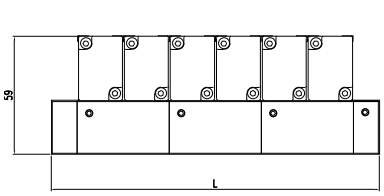
CODE	STATIONS	A	B
SB407302	2	78	64
SB407303	3	104	90
SB407304	4	130	116
SB407305	5	156	142
SB407306	6	182	168
SB407307	7	208	194
SB407308	8	234	220
SB407309	9	260	246
SB407310	10	286	272

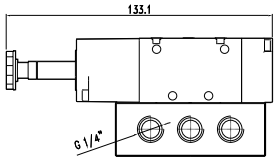


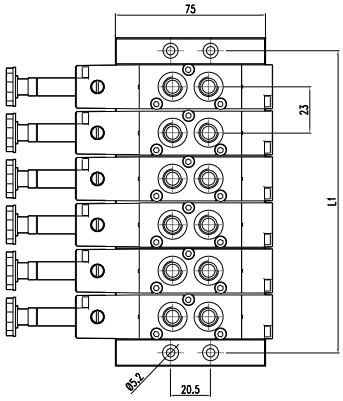
BLANKING PLATE
PLAQUE DE FERMETURE
PIASTRINA DI CHIUSURA

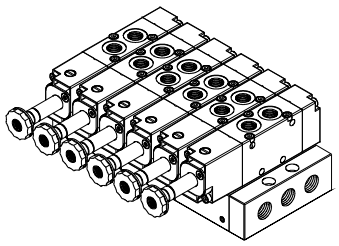
CODE		A	D
SB40720004	1/8	60	22
SB40730004	1/4	70	25

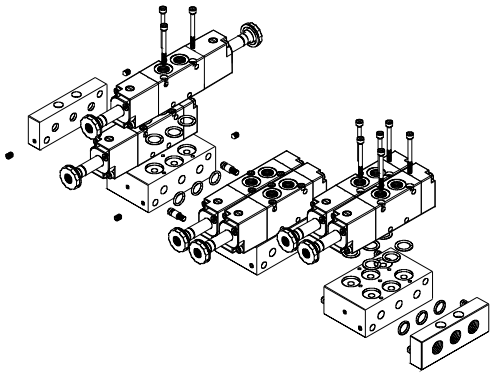
1/8 MODULAR MANIFOLD / EMBASE MODULAIRE 1/8 / BASE MODULARE 1/8



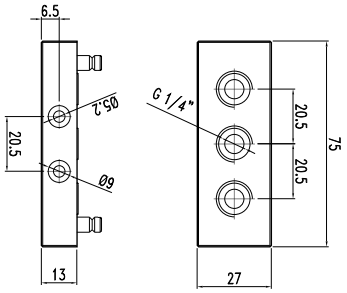


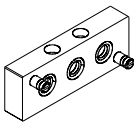






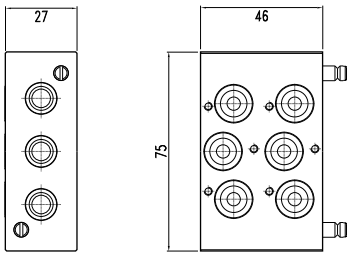
N° POS	L	L1
2	72	59
4	118	105
6	164	151
8	210	197
10	256	243
12	302	289

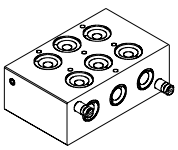




TERMINAL RIGHT 1/8
TERMINAL DROITE 1/8
TERMINALE DESTRO 1/8

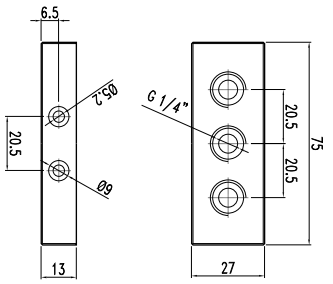
CODE: SB407213

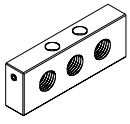




MODULAR MANIFOLD 1/8
BASE MODULAIRE 1/8
BASE MODULARE 1/8

CODE: SB407211

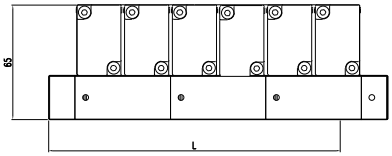




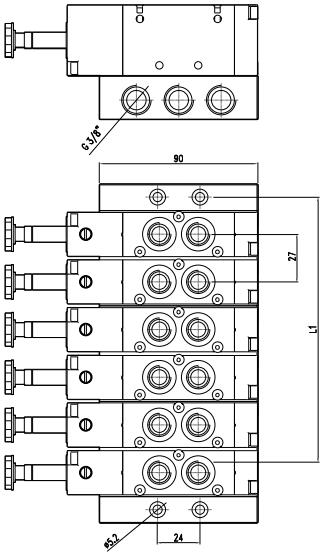
TERMINAL LEFT 1/8
TERMINAL GAUCHE 1/8
TERMINALE SINISTRO 1/8

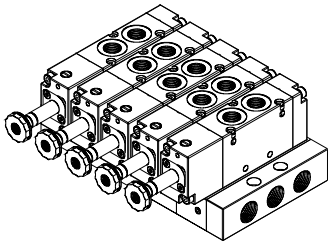
CODE: SB407212

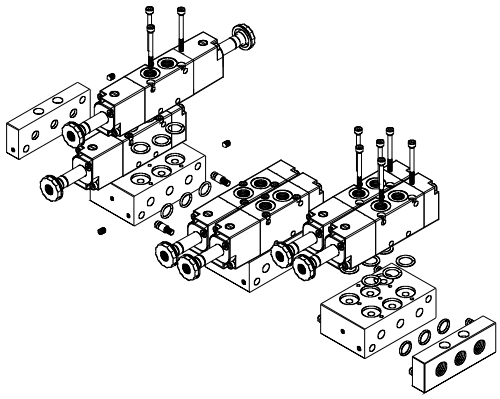
1/4 MODULAR MANIFOLD / **EMBASE MODULAIRE 1/4** / BASE MODULARE 1/4

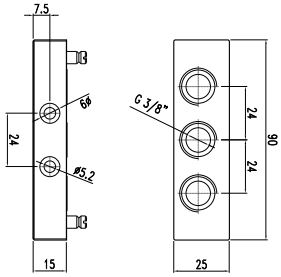


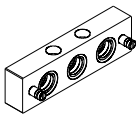
N° POS	L	L1
2	84	69
4	138	123
6	192	177
8	246	231
10	300	285
12	354	339





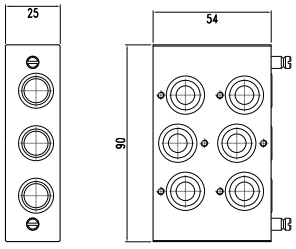


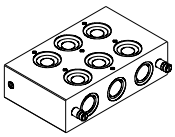




TERMINAL RIGHT 1/4
TERMINAL DROITE 1/4
TERMINALE DESTRO 1/4

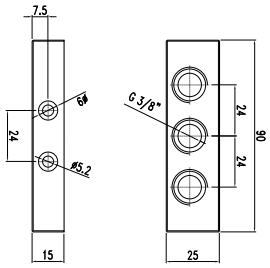
CODE: SB407313

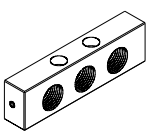




MODULAR MANIFOLD 1/4
BASE MODULAIRE 1/4
BASE MODULARE 1/4

CODE: SB407311





TERMINAL LEFT 1/4
TERMINAL GAUCHE 1/4
TERMINALE SINISTRO 1/4

CODE: SB407312

MULTI CONNECTOR SYSTEM FOR VY SERIES
SYSTÈME DE CONNECTION MULTIPOLAIRE POUR SERIE VY
SISTEMA DI CONNESSIONE MULTIPOLARE PER SERIE VY

This system allows the installation of a series of 1/8 solenoid valves with different functions: 5 / 2 monostable 5 / 2 bistable and 5 / 3, through a a printed circuit board inserted in an aluminum shell with a female connection SUB-D 25 pin; this avoids the wiring of each valve.
Thanks to a simple and intuitive coding system, it is possible to order the island with mounted and tested solenoid, or also to just order the island and mount the solenoid valves at a later date.

Ce système permet le montage d'une série d'électrovalves de 1/8 dans différentes fonctions: 5/2 monostable,5/2 bistable et 5/3 grâce à un circuit centralisé en aluminium avec une connection femelle SUB-D qui évite de cabler chaque valve. Grâce au système de codification simple vous pouvez commander un ilot avec des valves simples ou doubles bobines testées et montées et les ajouter au fur et à mesure

Questo sistema permette il montaggio di una serie di elettrovalvole da 1/8 di diversa funzione: 5/2 monostabile 5/2 bistabile e 5/3, grazie ad un circuito stampato inserito in un guscio di alluminio con una connessione femmina SUB-D 25 pin, evitando così il cablaggio di ogni singola valvola.
Grazie ad un sistema di codifica molto semplice ed intuitivo, è possibile ordinare l'isola con elettrovalvole montare e collaudate oppure è possibile ordinare la sola base montando le elettrovalvole in un secondo tempo.

ORDERING CODE / **CODIFICATIONS** / CHIAVE DI CODIFICA

SM 2 00 000000 3

3=connessione sub-d 25 pin / **25 pin sub-d connector** / connection sub-d 25 pin

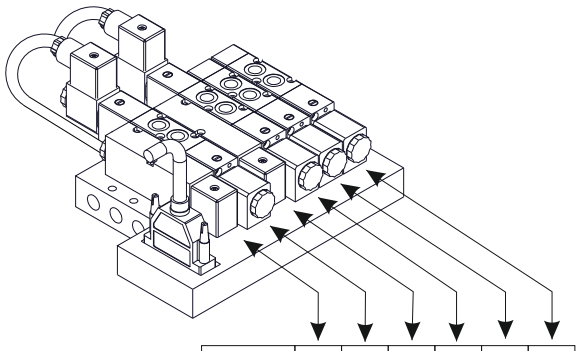
SHORT CODE / **CODE COURT** / CODICE BREVE

S=VY85ELM00 (5/2 monostable / **monostable** / monostabile)
D=VY85ELB00 (5/2 bistable / **bistable** / bistabile)
C=VY86ELMCC (5/3 closed centers / **centre ferme** / centri chiusi)
O=VY86ELMCA (5/3 open centers / **centre ouvert** / centri aperti)
P=VY86ELMCP (5/3 pressurized centers / **centre en pression** / centri in pressione)
B=BLANKING PLATE / **PLAQUE DE FERMETURE** / PIASTRINA DI CHIUSURA

N° stations / **N° station** / N° posti
02
04
06
08
10
12

For every requested double solenoid valve, it is necessary to consider 2 stations (one is for the valve and the other is for the included adaptor).
Pour chaque valve à deux bobines, il est nécessaire d'avoir deux stations l'une pour la valve et l'autre pour l'adaptateur qui y est compris.
Per ogni valvola doppio solenoide, si deve considerare 2 postazioni (una per la valvola e l'altra per l'adattatore che è compreso).

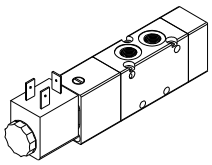
Bore / Taille / Taglia
2=1/8



N° of stations	1	2	3	4	5	6
valves	D		D		S	S

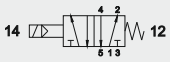
TECHNICAL DATA / **DONNEES TECHNIQUES** / DATI TECNICI

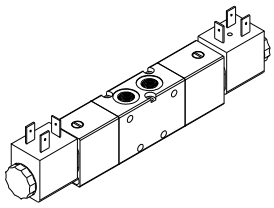
Operating temperature range / **Température d'utilisation** / Temperatura di esercizio	-0C° / +50C°
Max operating pressure / **Pression max d'utilisation** / Pressione massima di esercizio	10 bar
Flow rate / **Débit** / Portata	550 Nl/min
Visualization / **Visualization** / Segnalazione di stato	Red Led / **Led rouge** / Led rosso
Voltage / **Tension d'alimentation** / Tensione di alimentazione	24 V DC - 24V AC
Connections / **Connections** / Connessioni	1/8 Out - '1/4 In
Electric connections / **Connexions** / Connessione ingresso	Sub-D 25 pin
Maximum frequency / **Fréquence max.** / Frequenza massima	5 cicli/sec.



1/8 - 5/2 monostable
1/8 - 5/2 monostable
1/8 - 5/2 monostabile

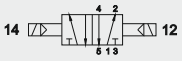
CODE: VY85ELM00

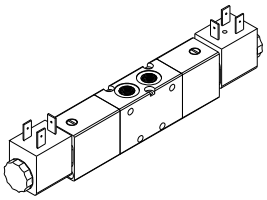




1/8 - 5/2 bistable
1/8 - 5/2 bistable
1/8 - 5/2 bistabile

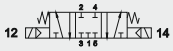
CODE: VY85ELB00



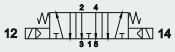


1/8 - 5/3 monostable
1/8 - 5/3 monostable
1/8 - 5/3 monostabile

CODE: VY86ELMCC



CODE: VY86ELMCA



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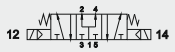
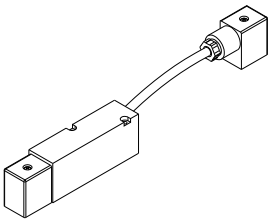
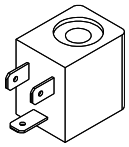




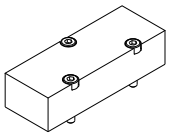
ADAPTOR FOR DOUBLE SOLENOID VALVE
ADAPTATEUR POUR VALVE DOUBLE BOBINE
ADATTATORE PER VALVOLA DOPPIO SOLENOIDE

CODE: VX0001



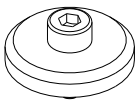
COIL 24 VDC / **BOBINE** / BOBINE

CODE: BO4001024



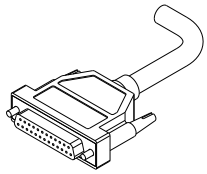
BLANKING PLATE / **PLAQUE DE FERMETURE** / PIASTRINA DI CHIUSURA

CODE.: SB401212



BLANKING PLATE FOR ELECTRIC CONNECTION
BOUCHON POUR CONNEXION ELECTRIQUE
TAPPO PER CONNESSIONE ELETTRICA

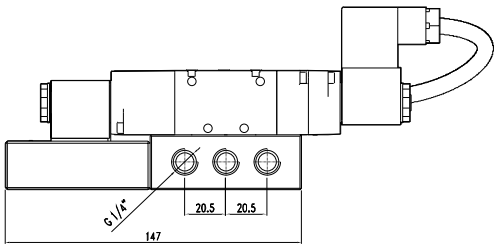
CODE.: VX0005

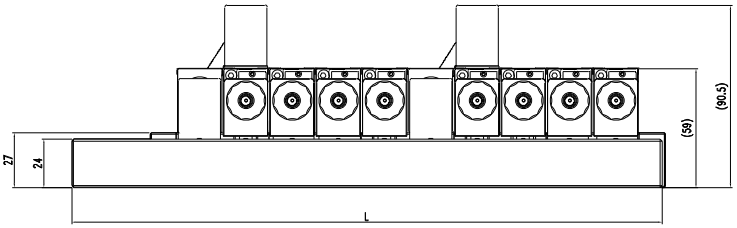


CONNECTOR SUB-D 25 PIN WITH CABLE 1,5 MT
CONNECTEUR SUB-D 25 PIN + CABLE 1,5 MT
CONNETTORE SUB-D 25 PIN CON CAVO 1,5 MT

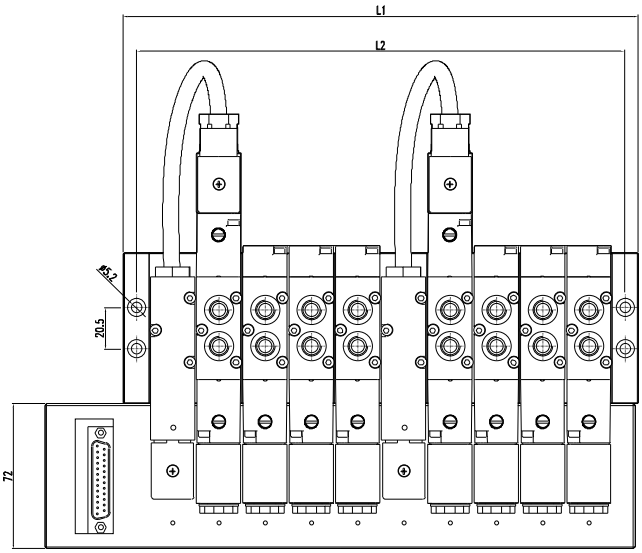
CODE: VX0004

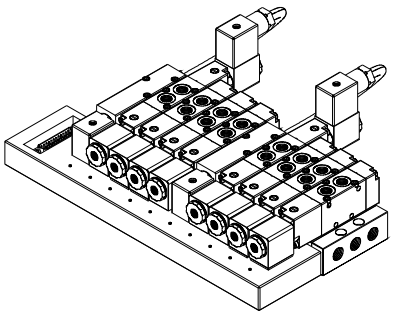
MULTI CONNECTOR SYSTEM FOR VY SERIES
SYSTÈME DE CONNECTION MULTIPOLAIRE POUR SERIE VY
SISTEMA DI CONNESSIONE MULTIPOLARE PER SERIE VY



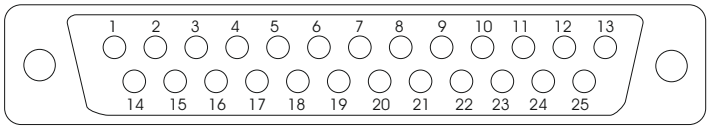


N° POS	L	L1	L2
2	109.5	72	59
4	155.5	118	105
6	201.5	164	151
8	247.5	210	197
10	293.5	256	243
12	339.5	302	289





ELECTRICAL CONNECTOR / CONNEXION ELECTRIQUE / CONNESSIONE ELETTRICA



PIN	COLOR	COIL/BOBINE/BOBINA
1	brown / marron / marrone	1
2	red / rouge / rosso	2
3	orange / orange / arancio/	3
4	pink / rose / rosa	4
5	yellow / jaune / giallo	5
6	green / vert / verde	6
7	light green / vert clair / verdino	7
8	blue / bleu / blu	8
9	light blue / azur / azzurro	9
10	purple / violet / viola	10
11	gray / gris / grigio	11
12	white / blanc / bianco	12
13	black / noire / nero	negativo

PIN	COLOR	COIL/BOBINE/BOBINA
14	light brown /marron clair / marrone chiaro	14
15	brown black / marron noir / marrone nero	15
16	orange black / orange noir / arancio nero	16
17	pink black / rose noir / rosa nero	17
18	Yellow black / jaune noir / giallo nero	18
19	green black / vert noir / verde nero	19
20	light green black / vert clair noir / verdino nero	20
21	light purple / violet / violetto	21
22	light blue black / azur noir / azzurro nero	22
23	light purple black / violet clair noir /violetto bero	23
24	gray black / gris noir / grigio nero	24
25	white black / bianc noir / bianco nero	negativo

Airwork's pneumatic valves combine big resistance, reliability and versatility of assemblage; the VK series can be assembled in several ways:
In-line, on panel, on multiple bases, on manifolds and on cylinders.
Available size are 1/8,1/4 and 1/2, the available functions are 3/2, 5/2 e 5/3.

La série des distributeurs pneumatiques à raccordement direct série VK a des caractéristiques multiples de robustesse, de fiabilité et de montage.
En ligne, sur embase multiple, assemblée et directement sur le vérin.
Elle est disponible en taille 1/8-1/4 et 1/2 ainsi qu'en fonction 3/2, 5/2 et 5/3

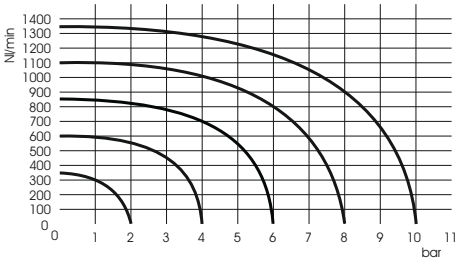
La serie di valvole pneumatiche di Airwork, possiedono caratteristiche di grande robustezza, affidabilità e versatilità di montaggio, infatti la serie VK si possono montare in diversi modi: in linea, a parete, su base multipla, su collettori e persino su cilindro.
Sono disponibili in tra taglie 1/8, 1/4 e 1/2 nelle funzioni 3/2, 5/2 e 5/3.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

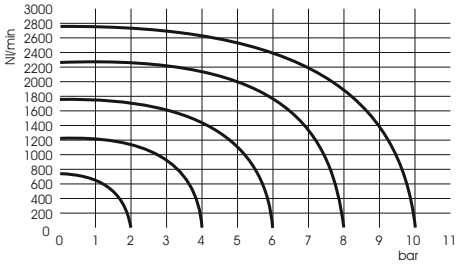
Flow rate 6 bar Δp 1bar / Débit a 6 bar Δp 1bar / Portata a 6 bar Δp 1bar	1/8=550 Nl/min - 1/4=1100 Nl/min - 1/2=4600Nl/min
Nominal orifice / Diamétre nominal / Diametro nominale	1/8=5mm - 1/4=7.5mm - 1/2=13mm
Response times mono-stable / Temps réponse monostable / Tempi risposta monostabile	(1/8=TRA 6ms / TRR 15ms) (1/4=TRA 7ms / TRR 15ms) (1/2=TRA 24ms / TRR 43ms)
Response times bi-stable / Temps réponse bistable / Tempi risposta bistastabile	(1/8=TRA 7ms / TRR 7ms) (1/4=TRA 7ms / TRR 7ms) (1/2=TRA 30ms / TRR 30ms)
Pressure range / Pression d'utilisation / Pressione di esercizio	
* Monostable / Monostable / Monostabile	2.5 ÷ 10 bar
* Bistable / Bistable / Bistabile	1 ÷ 10 bar
Temperature range / Température d'utilisation / Temperatura di esercizio	-10 C° ÷ +60c°

FLOW RATES / COURBE DE DEBIT / PORTATE

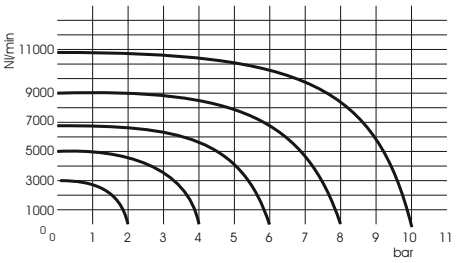
1/8



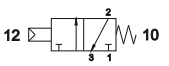
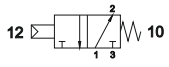
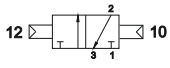
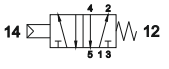
1/4

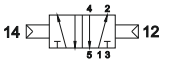
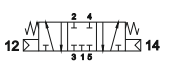
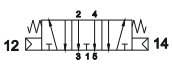
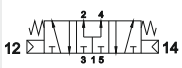


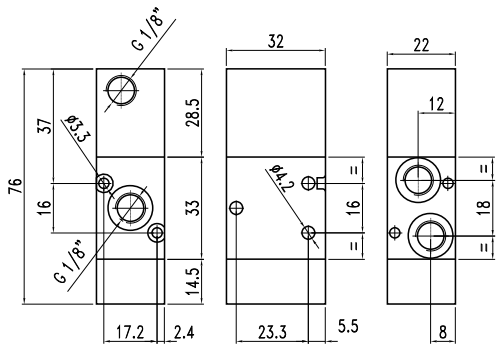
1/2

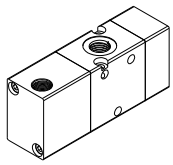


FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

	monostable / monostable / monostabile			
	VK83PNMNC	3/2	1/8	NC / NF / NC
	VK43PNMNC	3/2	1/4	NC / NF / NC
	VK23PNMNC	3/2	1/2	NC / NF / NC
	monostable / monostable / monostabile			
	VK83PNMNA	3/2	1/8	NO / NO / NA
	VK43PNMNA	3/2	1/4	NO / NO / NA
	VK23PNMNA	3/2	1/2	NO / NO / NA
	bistable / bistable / bistabile			
	VK83PNB00	3/2	1/8	
	VK43PNB00	3/2	1/4	
	VK23PNB00	3/2	1/2	
	monostable / monostable / monostabile			
	VK85PNM00	5/2	1/8	
	VK45PNM00	5/2	1/4	
	VK25PNM00	5/2	1/2	

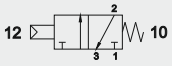
	bistable / bistable / bistabile			
	VK85PNB00	5/2	1/8	
	VK45PNB00	5/2	1/4	
	VK25PNB00	5/2	1/2	
	monostable / monostable / monostabile			
	VK86PNMCC	5/3	1/8	CC / CF / CC
	VK46PNMCC	5/3	1/4	CC / CF / CC
	VK26PNMCC	5/3	1/2	CC / CF / CC
	monostable / monostable / monostabile			
	VK86PNMCA	5/3	1/8	CO / CO / CA
	VK46PNMCA	5/3	1/4	CO / CO / CA
	VK26PNMCA	5/3	1/2	CO / CO / CA
	monostable / monostable / monostabile			
	VK86PNMCP	5/3	1/8	CP / CP / CP
	VK46PNMCP	5/3	1/4	CP / CP / CP
	VK26PNMCP	5/3	1/2	CP / CP / CP

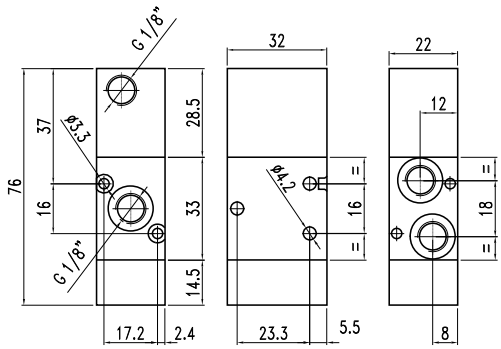


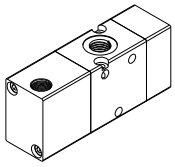


1/8 - 3/2 NC monostable
1/8 - 3/2 NF monostable
1/8 - 3/2 NC monostabile

CODE: VK83PNMNC

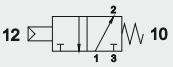


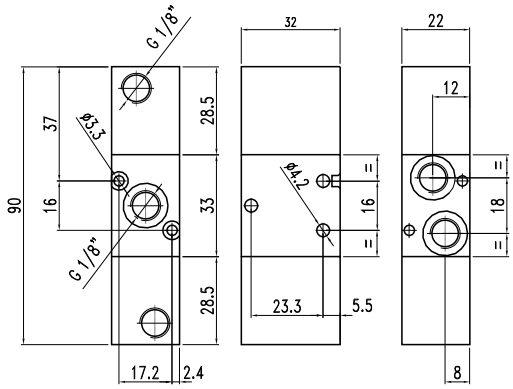


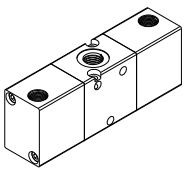


1/8 - 3/2 NO monostable
1/8 - 3/2 NO monostable
1/8 - 3/2 NA monostabile

CODE: VK83PNMNA

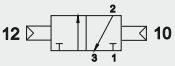


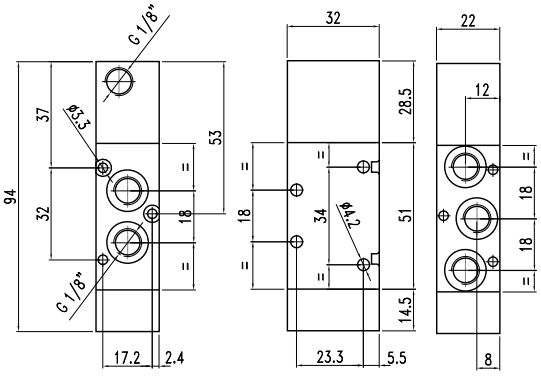


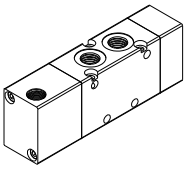


1/8 - 3/2 bistable
1/8 - 3/2 bistable
1/8 - 3/2 bistabile

CODE: VK83PNB00

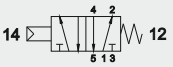


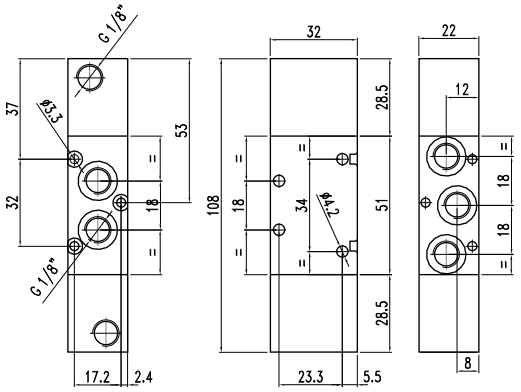


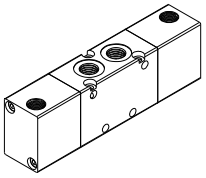


1/8 - 5/2 monostable
1/8 - 5/2 monostable
1/8 - 5/2 monostabile

CODE: VK85PNM00

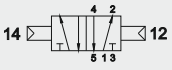


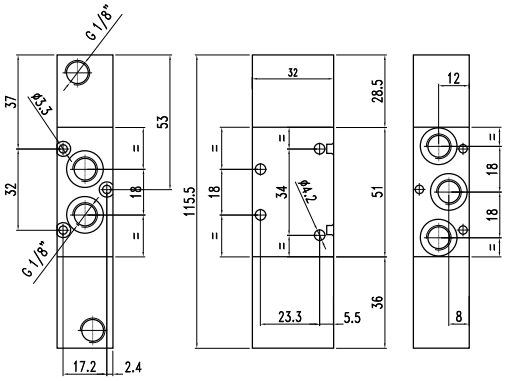


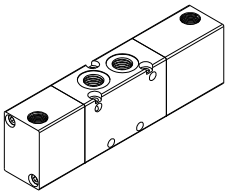


1/8 - 5/2 bistable
1/8 - 5/2 bistable
1/8 - 5/2 bistabile

CODE: VK85PNB00

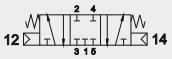






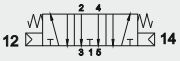
1/8 - 5/3 monostable
1/8 - 5/3 monostable
1/8 - 5/3 monostabile

CODE: VK86PNMCC



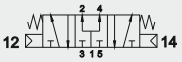
closed centres
centre fermé
centri chiusi

CODE: VK86PNMCA

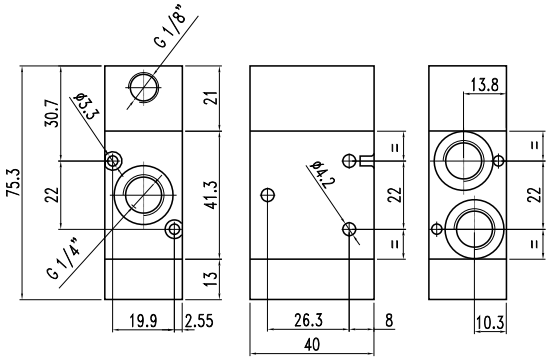


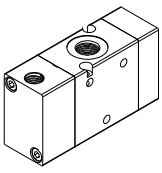
open centres
centre ouvert
centri aperti

CODE: VK86PNMCP



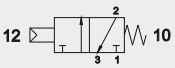
press. centres
centre en pression
centri in pressione

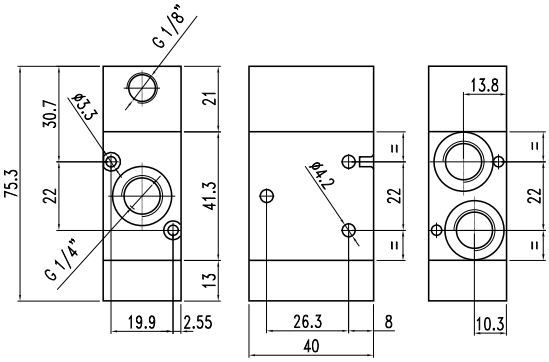


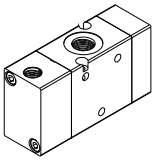


1/4 - 3/2 NC monostable
1/4 - 3/2 NF monostable
1/4 - 3/2 NC monostabile

CODE: VK43PNMNC

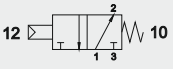


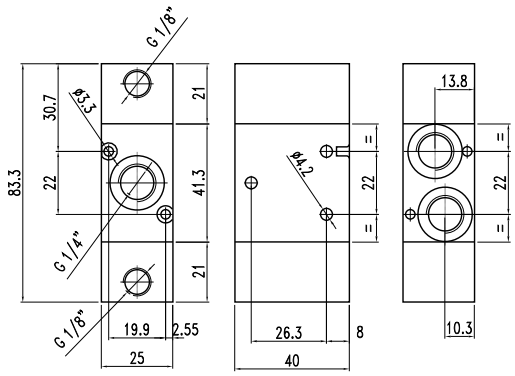


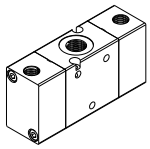


1/4 - 3/2 NO monostable
1/4 - 3/2 NO monostable
1/4 - 3/2 NA monostabile

CODE: VK43PNMNA

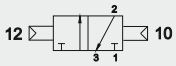


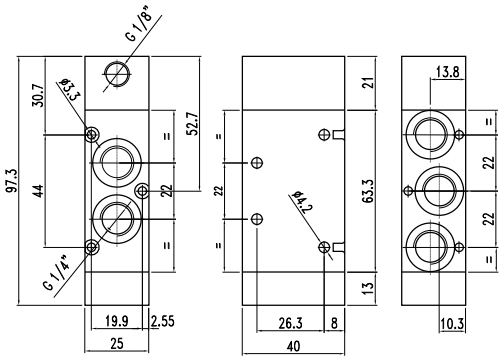


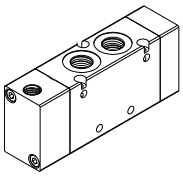


1/4 - 3/2 bistable
1/4 - 3/2 bistable
1/4 - 3/2 bistabile

CODE: VK43PNB00

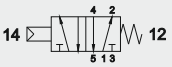


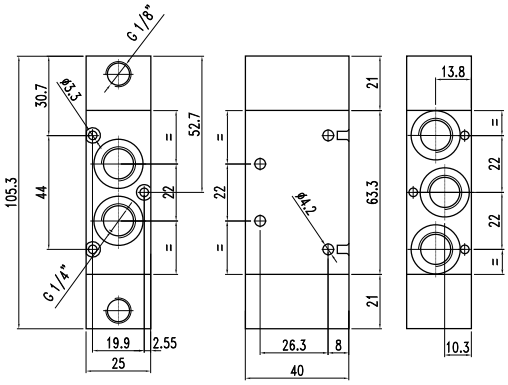


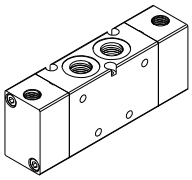


1/4 - 5/2 monostable
1/4 - 5/2 monostable
1/4 - 5/2 monostabile

CODE: VK45PNM00

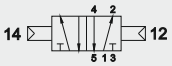


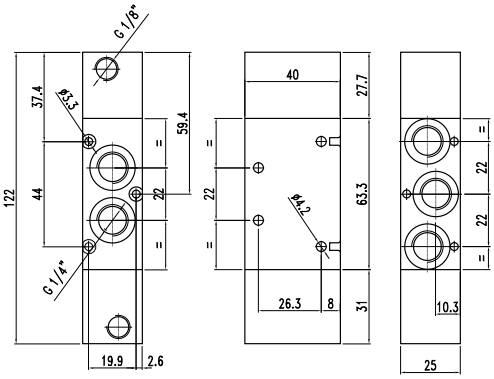


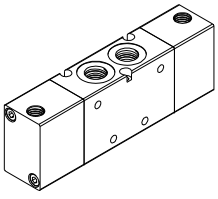


1/4 - 5/2 bistable
1/4 - 5/2 bistable
1/4 - 5/2 bistabile

CODE: VK45PNB00

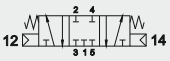






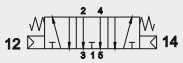
1/4 - 5/3 monostable
1/4 - 5/3 monostable
1/4 - 5/3 monostabile

CODE: VK46PNMCC



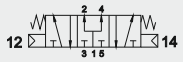
closed centres
centre fermé
centri chiusi

CODE: VK46PNMCA

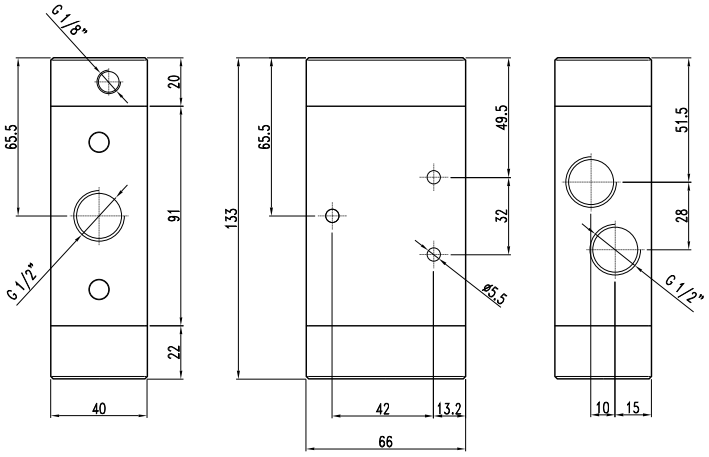


open centres
centre ouvert
centri aperti

CODE: VK46PNMCP

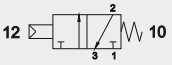


press. centres
centre en pression
centri in pressione



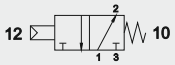
1/2 - 3/2 NC monostable
1/2 - 3/2 NF monostable
1/2 - 3/2 NC monostabile

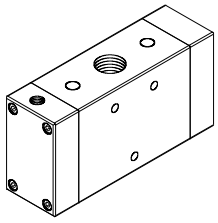
CODE: VK23PNMNC

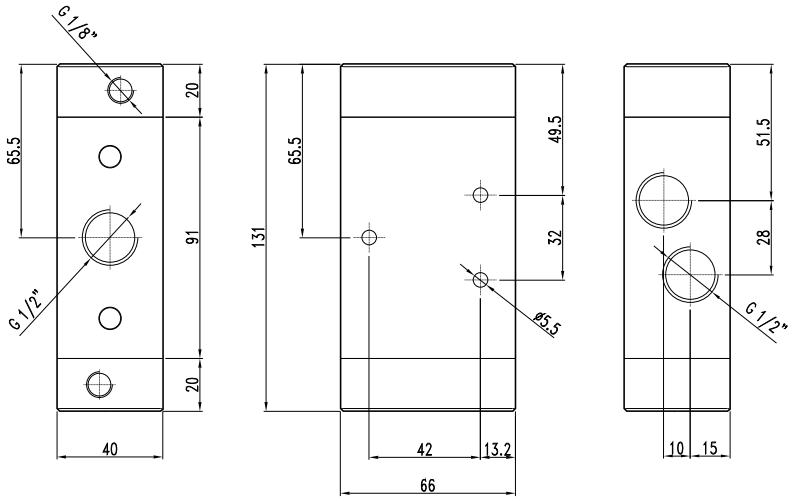


1/2 - 3/2 NO monostable
1/2 - 3/2 NO monostable
1/2 - 3/2 NA monostabile

CODE: VK23PNMNA

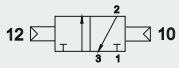


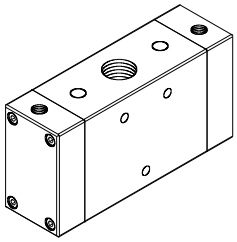


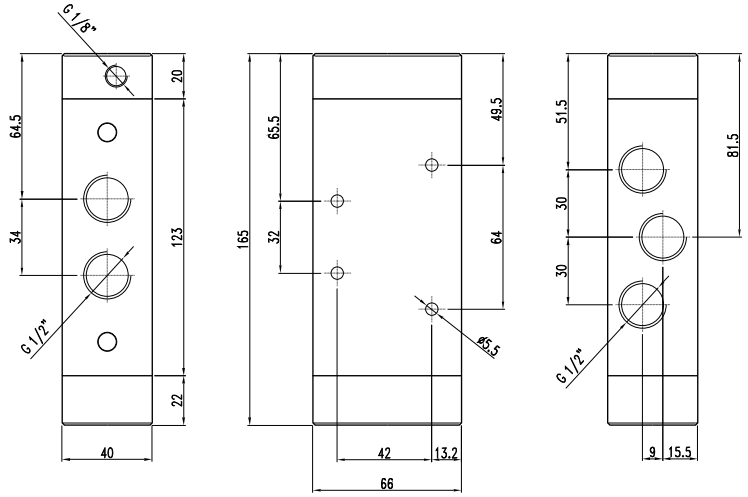


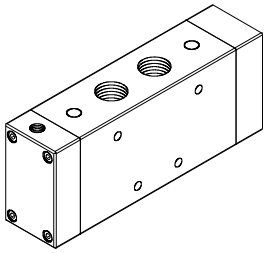
1/2 - 3/2 bistable
1/2 - 3/2 bistable
1/2 - 3/2 bistabile

CODE: VK23PNB00



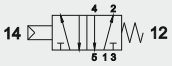


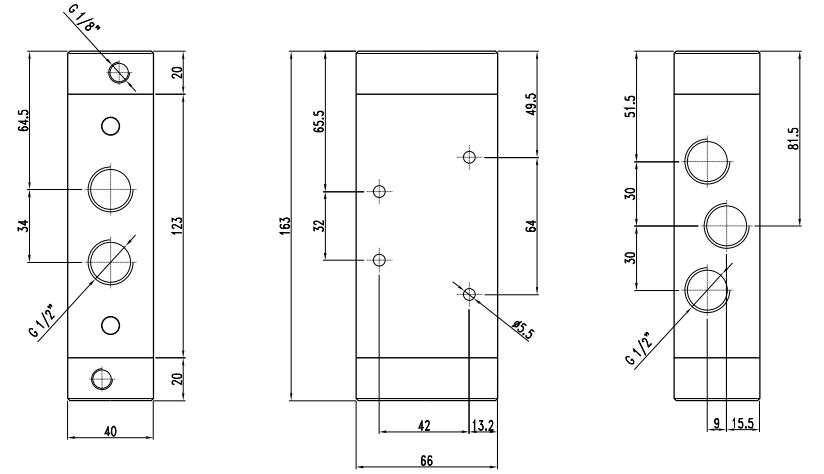


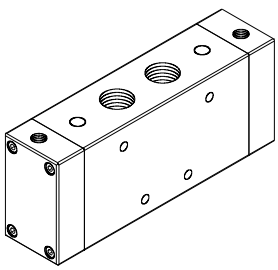


1/2 - 5/2 monostable
1/2 - 5/2 monostable
1/2 - 5/2 monostabile

CODE: VK25PNM00

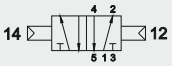


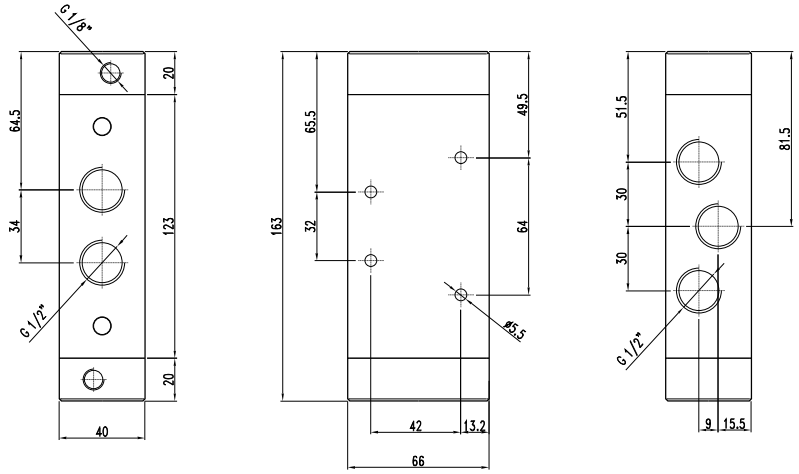


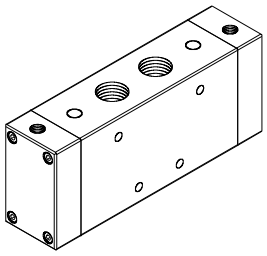


1/2 - 5/2 bistable
1/2 - 5/2 bistable
1/2 - 5/2 bistabile

CODE: VK25PNB00

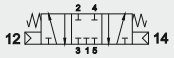






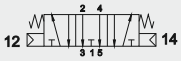
1/2 - 5/3 monostable
1/2 - 5/3 monostable
1/2 - 5/3 monostabile

CODE: VK26PNMCC



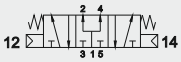
closed centres
centre fermé
centri chiusi

CODE: VK26PNMCA

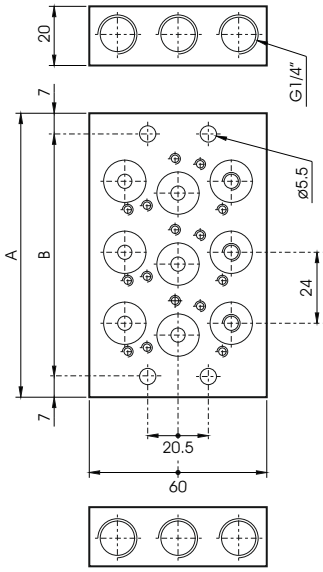


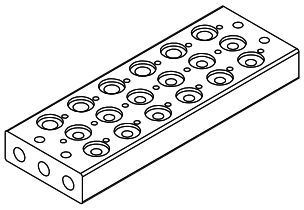
open centres
centre ouvert
centri aperti

CODE: VK26PNMCP



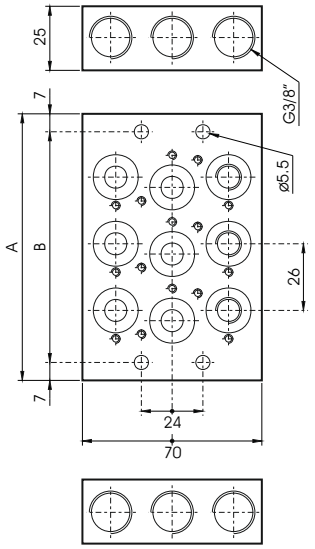
press. centres
centre en pression
centri in pressione

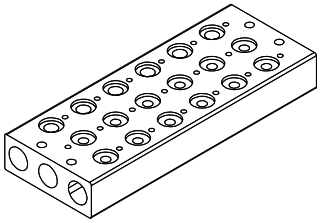




MANIFOLD FOR 1/8 VALVES
EMBASE MULTIPLE POUR VALVE 1/8
SOTTOBASE PER VALVOLE 1/8

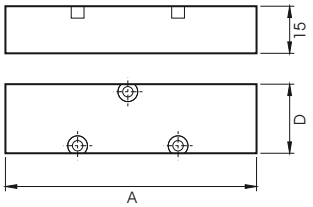
CODE	STATIONS	A	B
SB407202	2	72	58
SB407203	3	96	82
SB407204	4	120	106
SB407205	5	144	130
SB407206	6	168	154
SB407207	7	192	178
SB407208	8	216	202
SB407209	9	240	226
SB407210	10	264	250





MANIFOLD FOR 1/4 VALVES
EMBASE MULTIPLE POUR VALVE 1/4
SOTTOBASE PER VALVOLE 1/4

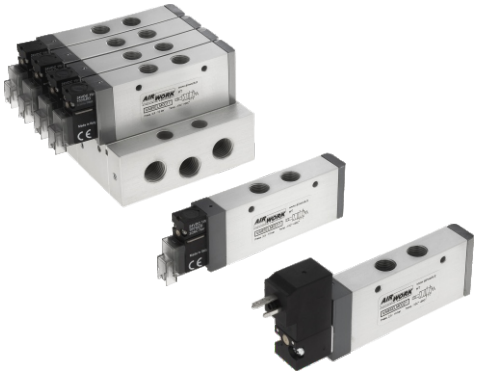
CODE	STATIONS	A	B
SB407302	2	78	64
SB407303	3	104	90
SB407304	4	130	116
SB407305	5	156	142
SB407306	6	182	168
SB407307	7	208	194
SB407308	8	234	220
SB407309	9	260	246
SB407310	10	286	272



BLANKING PLATE
PLAQUE DE FERMETURE
PIASTRINA DI CHIUSURA

CODE		A	D
SB40720004	1/8	60	22
SB40730004	1/4	70	25

SOLENOID VALVES VA SERIES
ELECTROVALVES SERIES VA
ELETTROVALVOLE SERIE VA



Airwork presents the new series of valves VA, designed to answer to the requests always more demanding of reduced dimensions without giving up to solidity and robustness. Here is our answer, a series of valves electrically and pneumatically controlled with width 15mm entirely made in aluminium. The VA series is pre-arranged with air outlets directly on the valve body; this allows the use both single (with the valve applied on the panel or on the cylinder) or on modular sub-base, thus obtaining the maximum versatility.

Key points:
* reduced dimensions (15mm)
* low current absorption (1W)
* modern design and compactness, which renders the installation easy and avoids the accumulation of dirt
* components made of metal in order to guarantee a long duration even in demanding environments
* flexibility: the valve can be assembled singly on the wall, on sub-bases and on multi-polar connecting unit
* 3 different types of connection: lower, lateral and DIN 15mm.
* led indicating functioning, well visible
* monostable manual acting
* sub-base with exclusive modular system

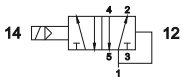
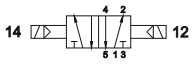
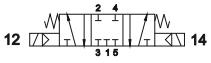
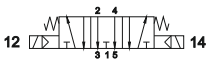
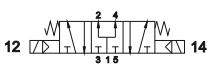
Airwork presenta la nuova serie di valvole VA concepite per rispondere alle sempre maggiori esigenze di compattezza delle dimensioni, senza però rinunciare alla solidità e robustezza.
Ecco allora la risposta, una serie di valvole a comando elettrico e pneumatico con larghezza 15mm interamente in alluminio. La serie VA è predisposta con attacchi uscite aria direttamente su corpo valvola permettendo l'utilizzo sia singolo (con valvola applicata a pannello o su cilindro), sia su sottobase modulare, ottenendo il massimo della versatilità.

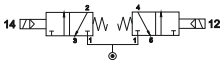
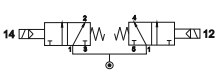
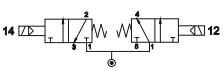
Punti di forza:
* Le dimensioni ridotte (15mm)
* basso assorbimento di corrente (1W)
* design moderno ma sopratutto compatto, facilita l'istallazione ed evita l'accumulo di sporcizia
* componenti in metallo per garantire lunga durata anche in ambienti difficili
* flessibilità: la valvola può essere montata singolarmente a parete, su sottobase e su unità a connessione multipolare.
* 3 differenti tipi di connessione: inferiore, laterale e DIN 15mm.
* Indicatore led di funzionamento, ben visibile
* azionamento manuale monostabile
* sottobase con esclusivo sistema modulare

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / **Fluide** / Fluido	lubricated or non lubricated air / **air lubrifié ou non** / aria con o senza ubrificazione
Max operating pressure / **Pression max d'utilisation** / Pressione massima di esercizio	
*solenoid pilot / **commande électrique** / pilotaggio elettrico	8 bar
*pneumatic pilot / **pilot pneumatique** / pilotaggio pneumatico	10 bar
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	-5 C° + 50 C°
Flow rate to 6 bar and Δp 1 bar / **Débit a 6 bar Δp 1 bar** / Portata a 6 bar e Δp 1 bar	520 Nl/min
Electic tension / **Tension électrique** / Tensione elettrica	24VDC
Tension tolerance / **Tolérance de tension** / Tolleranza di tensione	±10%
Power consumption / **Consommation d'énergie** / Assorbimento	1W (DC)
Insulation / **Isolation** / Isolamento	classe F
Degree of protection / **Degré de protection** / Grado di protezione	IP 40
Valve width / **Largeur de la valve** / Largezza valvola	15mm
air ports / **attaque** / attacchi	1/8
Pilots / **Commandes** / Comandi	solenoid and pneumatic / **électrique et pneumatique** / elettrico e pneumatico

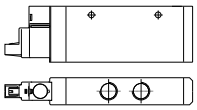
FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

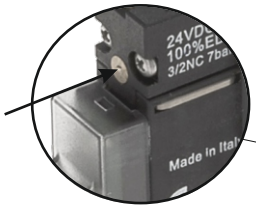
	CODE		CONNECTOR
	monostable / **monostable** / monostabile		
	VA85ELM0001	5/2	lateral / côté / laterale
	VA85ELM0011	5/2	lower / **infer.** / infer.
	VA85ELM0021	5/2	DIN 15mm
	bistable / **bistable** / bistabile		
	VA85ELB0001	5/2	lateral / côté / laterale
	VA85ELB0011	5/2	lower / **infer.** / infer.
	VA85ELB0021	5/2	DIN 15mm
	monostable / **monostable** / monostabile		
	VA86ELMCC01	5/3	lateral / côté / laterale
	VA86ELMCC11	5/3	lower / **infer.** / infer.
	VA86ELMCC21	5/3	DIN 15mm
	monostable / **monostable** / monostabile		
	VA86ELMCA01	5/3	lateral / côté / laterale
	VA86ELMCA11	5/3	lower / **infer.** / infer.
	VA86ELMCA21	5/3	DIN 15mm
	monostable / **monostable** / monostabile		
	VA86ELMCP01	5/3	lateral / côté / laterale
	VA86ELMCP11	5/3	lower / **infer.** / infer.
	VA86ELMCP21	5/3	DIN 15mm

	CODE		CONNECTOR
	monostable / **monostable** / monostabile		
	VA83ELM2C01	3/2+3/2 NC-NC	lateral / côté / laterale
	VA83ELM2C11	3/2+3/2 NC-NC	lower / **infer.** / infer.
	VA83ELM2C21	3/2+3/2 NC-NC	DIN 15mm
	monostable / **monostable** / monostabile		
	VA83ELM2A01	3/2+3/2 NO-NO	lateral / côté / laterale
	VA83ELM2A11	3/2+3/2 NO-NO	lower / **infer.** / infer.
	VA83ELM2A21	3/2+3/2 NO-NO	DIN 15mm
	monostable / **monostable** / monostabile		
	VA83ELM2X01	3/2+3/2 NC-NO	lateral / côté / laterale
	VA83ELM2X11	3/2+3/2 NC-NO	lower / **infer.** / infer.
	VA83ELM2X21	3/2+3/2 NC-NO	DIN 15mm

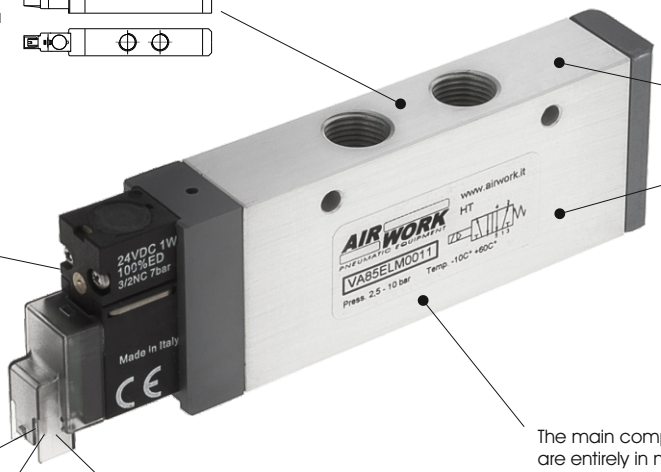
KEY POINTS / **ATOUTS** / PUNTI DI FORZA

Clean profile and modern design
Profil esthétique propre et moderne
Profilo pulito ed estetica moderna

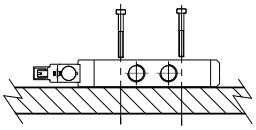




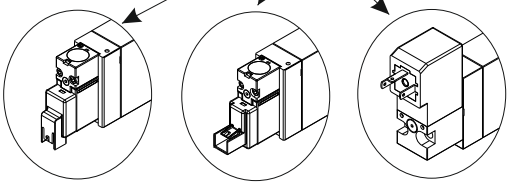
Manual operation
simple and safe
Commande manuelle simple et sécurisée
Intervento manuale semplice e sicuro



Smooth surface for stable mounting
Surfaces planes pour montage stable
Superfici piatte per un montaggio stabile

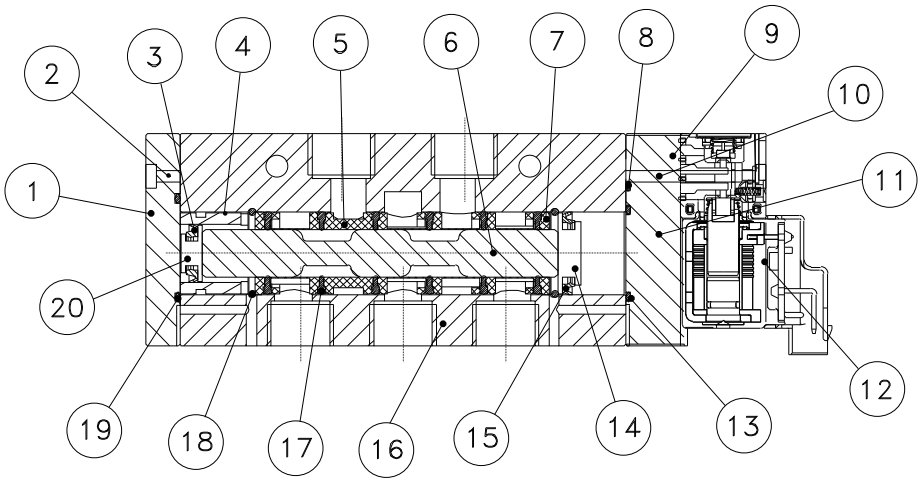


The main components are entirely in metal
Les composants principaux entièrement en métal
I componenti principali interamente in metallo



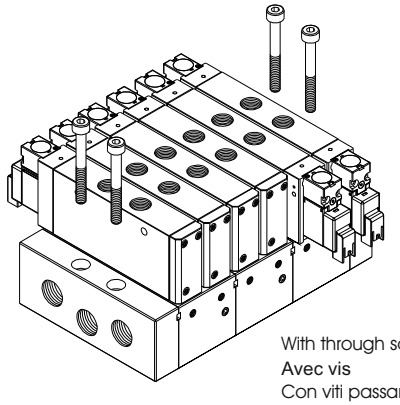
3 different types of solenoid / **3 types de solénoïde différents** / 3 differenti tipologie di elettropiloti

COMPONENTI / **COMPOSANTS** / COMPONENTS

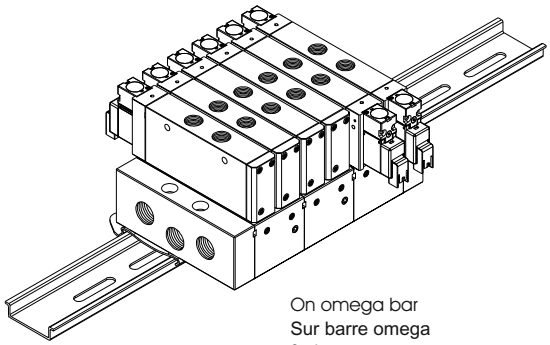


Pos.	Description	Material
20	PNEUMATIC SPRING PISTON	BRASS
19	O-RING 13x1	NBR
18	ELASTIC STOP RING	STEEL
17	AIRTIGHT SPOOL SEAL	NBR
16	VALVE BODY CORPS	ANODIZED ALUMINIUM
15	DE PISTON SEAL	NBR
14	PNEUMATIC PISTON	BRASS
13	O-RING 12x1	NBR
12	ELECTRIC PILOT VALVE	
11	ELECTRIC BOTTOM CORPS	PLASTIC
10	TCE M1,6 SCREW	GALVANIZED STEEL
9	SPHERE	100 Cr6 STEEL
8	O-RING 1.15x1	NBR
7	SPOOL DISTANCE	BRASS
6	SPOOL	AISI303 INOX STEEL
5	CAGE DISTANCE	BRASS
4	RIDUCTION FOR PNEUMATIC SPRING PISTON	BRASS
3	DE PISTON SEAL	NBR
2	TCE M1,6 SCREW	GALVANIZED STEEL
1	PNEUMATIC SPRING BOTTOM CORPS	PLASTIC

MOUNTING SYSTEM / SYSTÈME DE MONTAGE / SISTEMA DI FISSAGGIO

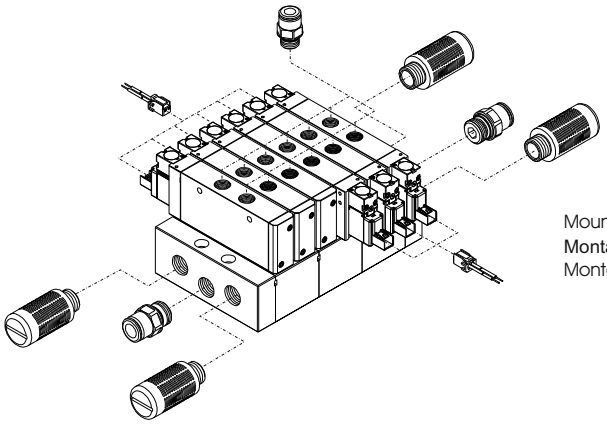


With through screws
Avec vis
Con viti passanti

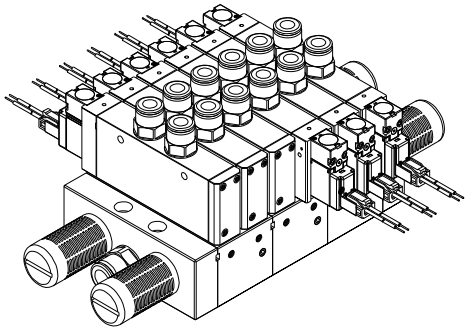


On omega bar
Sur barre omega
Su barra omega

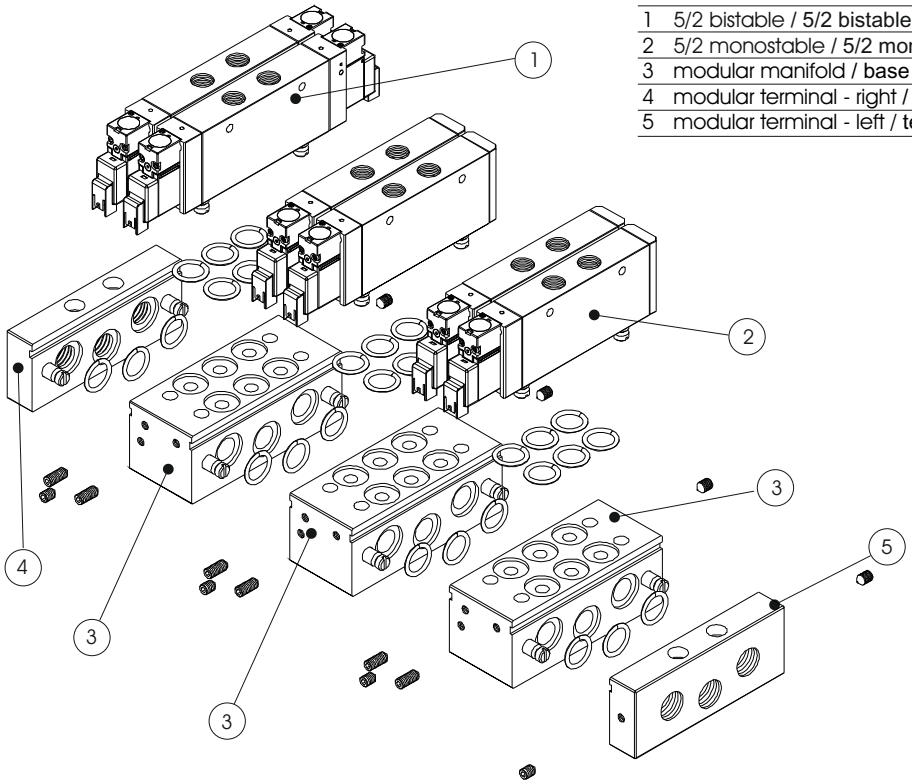
CONNECTION SYSTEM / SYSTÈME DE CONNEXION / SISTEMA DI CONNESSIONE



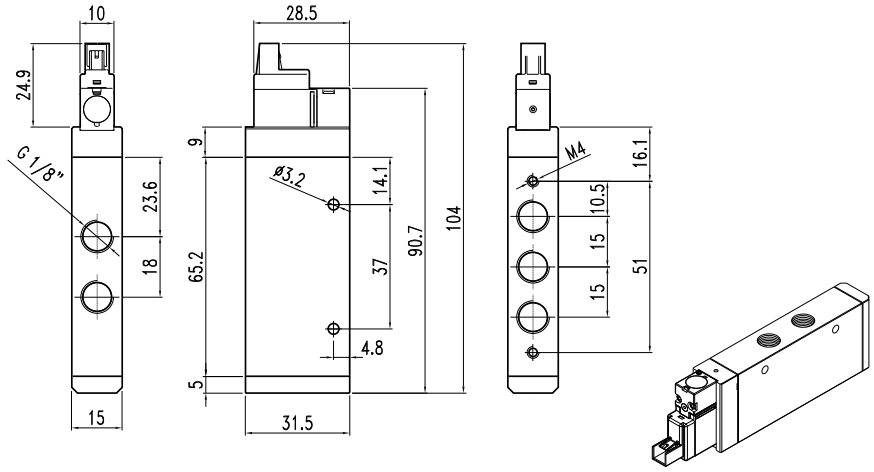
Mounting connections
Montage connexions
Montaggio connessioni



PART LIST / VUE ECLATEE / ESPLOSO

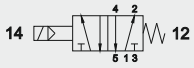


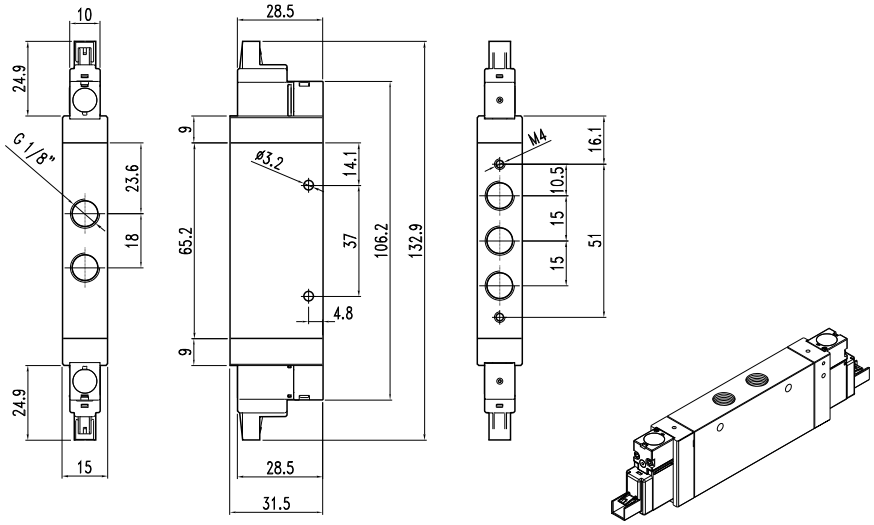
1	5/2 bistable / 5/2 bistable / 5/2 bistabile
2	5/2 monostable / 5/2 monostable / 5/2 monostabile
3	modular manifold / base modulaire / base modulare
4	modular terminal - right / terminal droit / terminale destro
5	modular terminal - left / terminal gauche / terminale sinistro



1/8 - 5/2 monostable lateral connector
1/8 - 5/2 monostable connecteur côté
1/8 - 5/2 monostabile connettore laterale

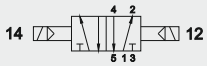
CODE: VA85ELM0001





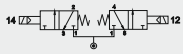
1/8 - 5/2 bistable lateral connector
1/8 - 5/2 bistable connecteur côté
1/8 - 5/2 bistabile connettore laterale

CODE: VA85ELB0001



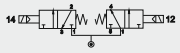
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable

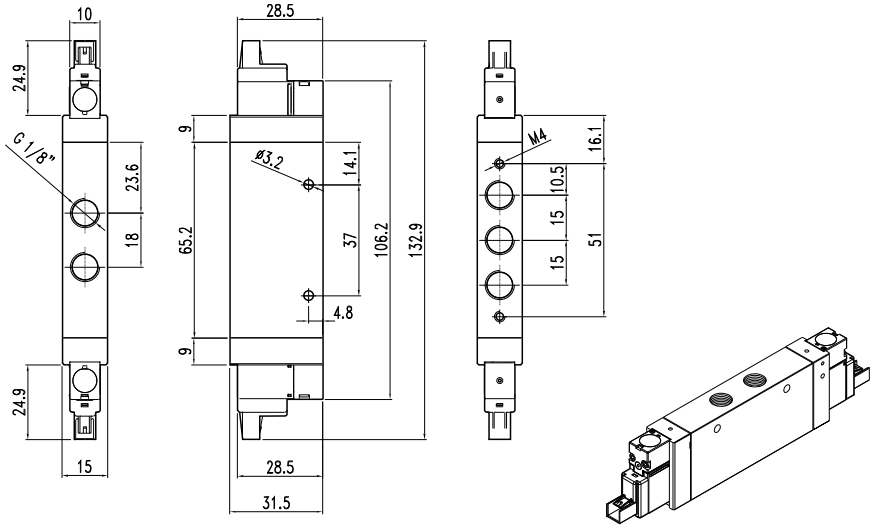
CODE: VA83ELM2C01 NC + NC



CODE: VA83ELM2A01 NA + NA

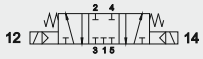
CODE: VA83ELM2X01 NC + NA



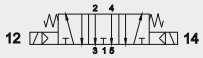


1/8 - 5/3 monostable lateral connector
1/8 - 5/3 monostable connecteur côté
1/8 - 5/3 monostabile connettore laterale

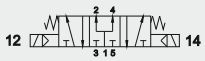
CODE: VA86ELMCC01 CC / **CF** / CC

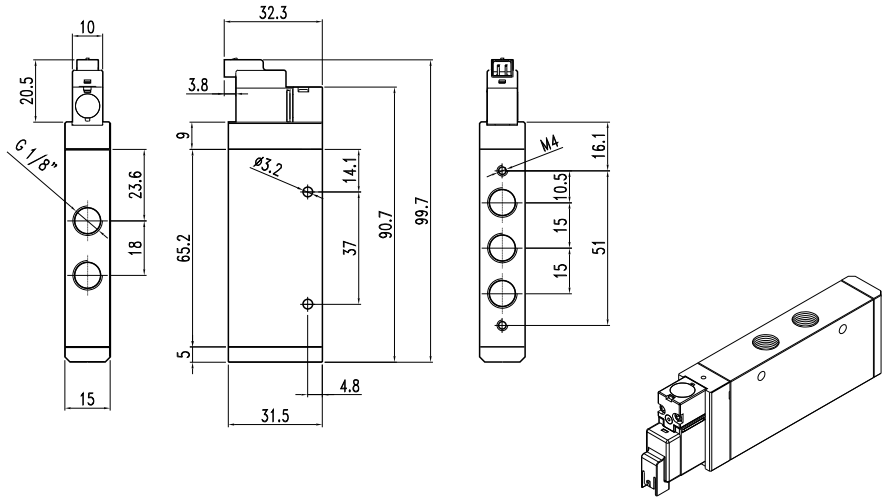


CODE: VA86ELMCA01 CO / **CO** / CA



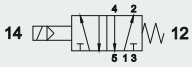
CODE: VA86ELMCP01 CP / **CP** / CP

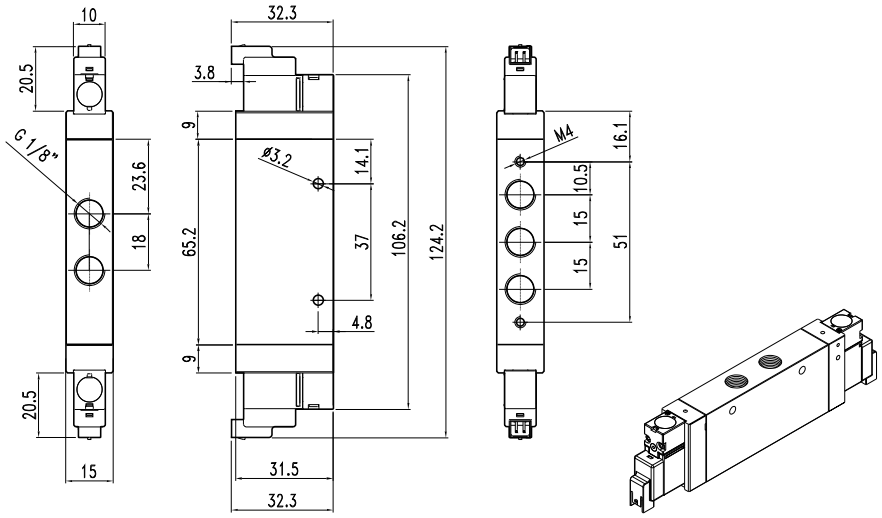




1/8 - 5/2 monostable lower connector
1/8 - 5/2 monostable connecteur inférieur
1/8 - 5/2 monostabile connettore inferiore

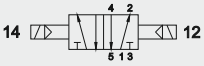
CODE: VA85ELM0011





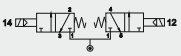
1/8 - 5/2 bistable lower connector
1/8 - 5/2 bistable connecteur inférieur
1/8 - 5/2 bistabile connettore inferiore

CODE: VA85ELB0011



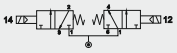
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable

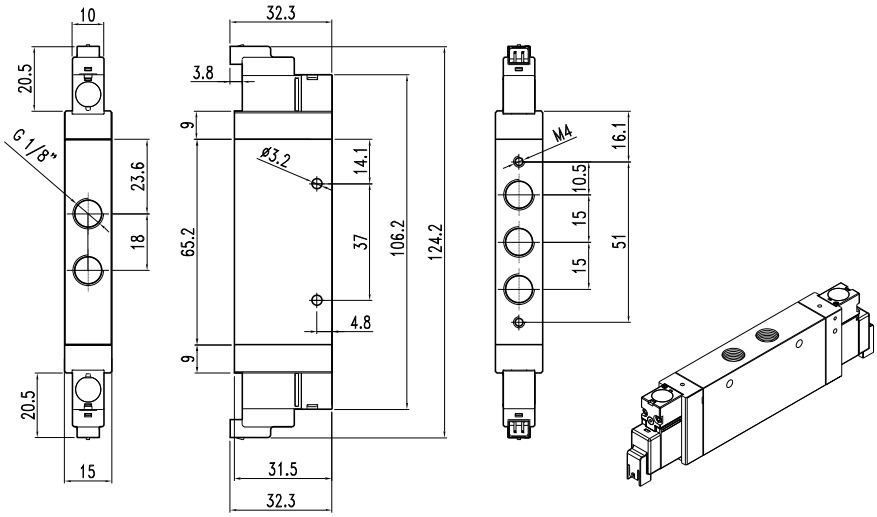
CODE: VA83ELM2C11 NC + NC



CODE: VA83ELM2A11 NA + NA

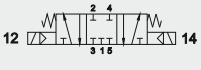
CODE: VA83ELM2X11 NC + NA





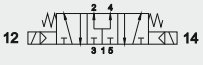
1/8 - 5/3 monostable lower connector
1/8 - 5/3 monostable connecteur inférieur
1/8 - 5/3 monostabile connettore inferiore

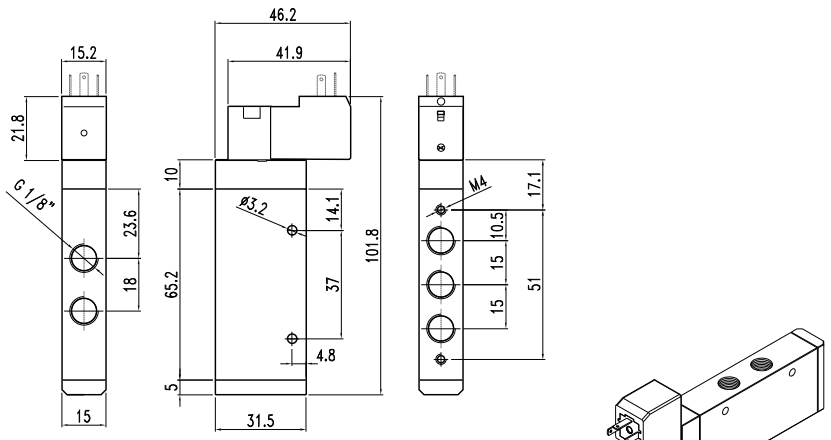
CODE: VA86ELMCC11 CC / **CF** / CC



CODE: VA86ELMCA11 CO / **CO** / CA

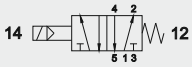
CODE: VA86ELMCP11 CP / **CP** / CP

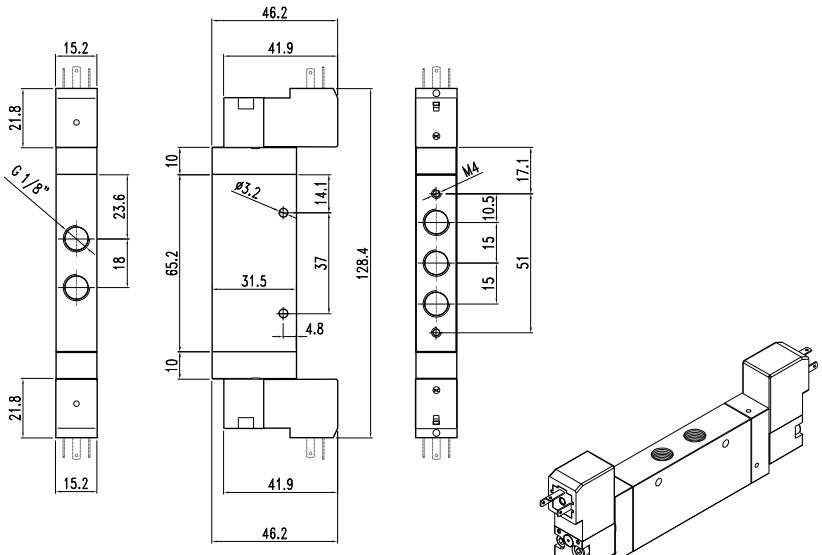




1/8 - 5/2 monostable DIN 15mm
1/8 - 5/2 monostable DIN 15mm
1/8 - 5/2 monostabile DIN 15mm

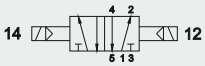
CODE: VA85ELM0021





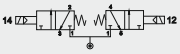
1/8 - 5/2 bistable DIN 15mm
1/8 - 5/2 bistable DIN 15mm
1/8 - 5/2 bistabile DIN 15mm

CODE: VA85ELB0021

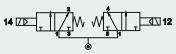


1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable

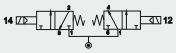
CODE: VA83ELM2C21 NC + NC

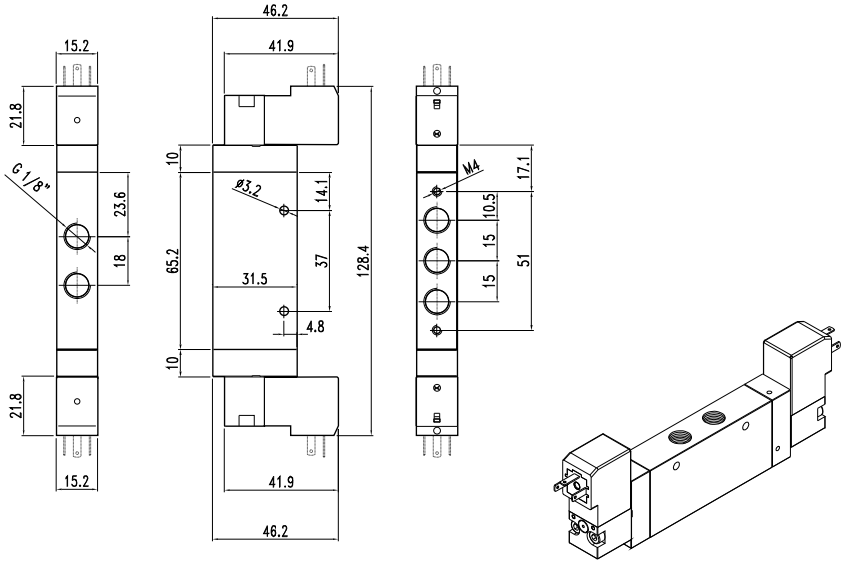


CODE: VA83ELM2A21 NA + NA



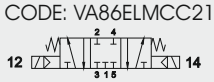
CODE: VA83ELM2X21 NC + NA



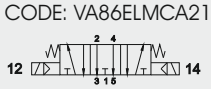


1/8 - 5/3 monostable DIN 15mm
1/8 - 5/3 monostable DIN 15mm
1/8 - 5/3 monostabile DIN 15mm

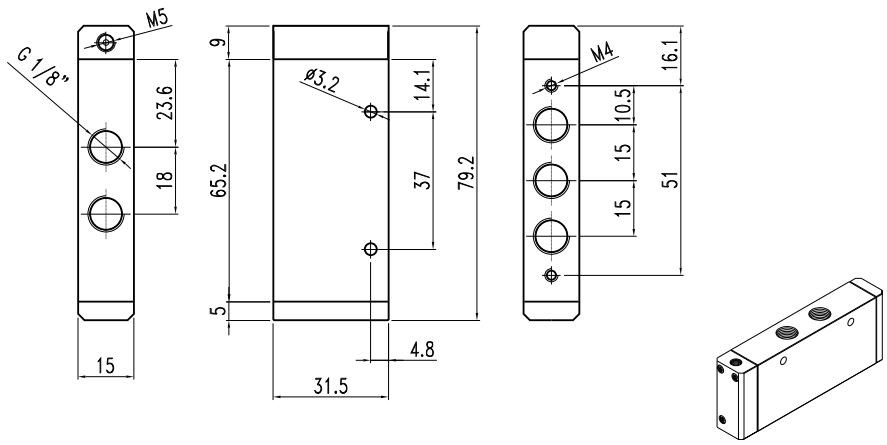
CODE: VA86ELMCC21 CC / **CF** / CC



CODE: VA86ELMCA21 CO / **CO** / CA

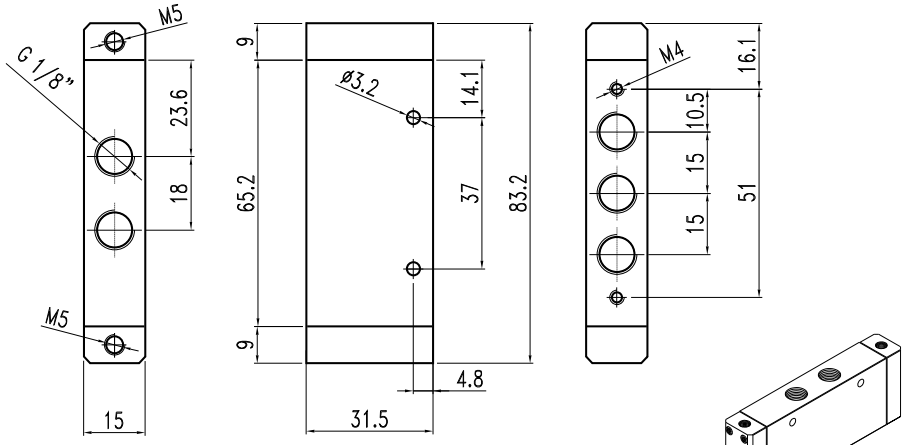


CODE: VA86ELMCP21 CP / **CP** / CP



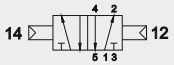
1/8 - 5/2 monostable
1/8 - 5/2 monostable
1/8 - 5/2 monostabile

CODE: VA85PNM00



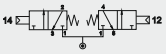
1/8 - 5/2 bistable
1/8 - 5/2 bistable
1/8 - 5/2 bistabile

CODE: VA85PNB00

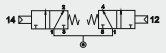


1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostabile

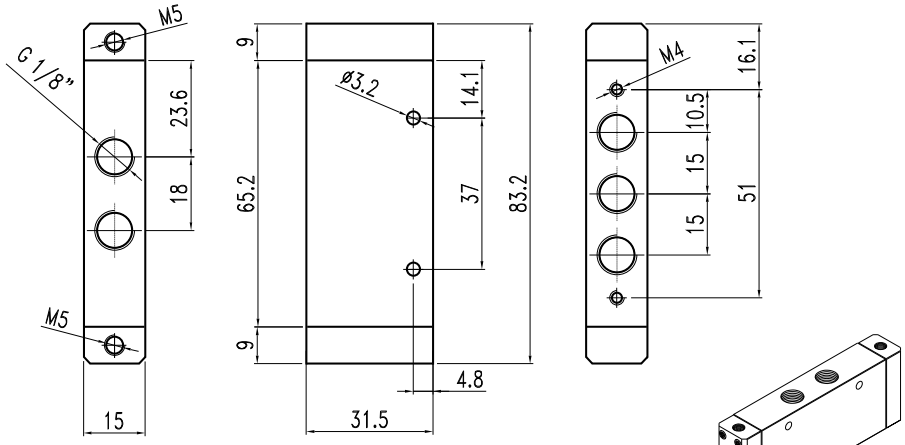
CODE: VA83PNM2C00 NC + NC



CODE: VA83PNM2A00 NA + NA

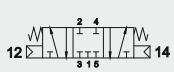


CODE: VA83PNM2X00 NC + NA

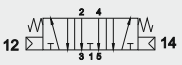


1/8 - 5/3 monostable
1/8 - 5/3 monostable
1/8 - 5/3 monostabile

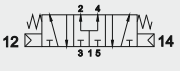
CODE: VA86PNMCC CC / **CF** / CC

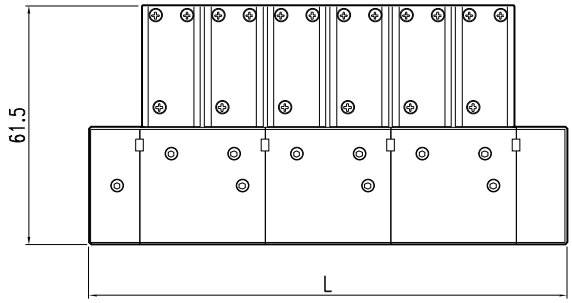


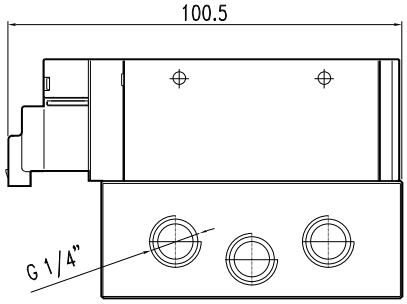
CODE: VA86PNMCA CO / **CO** / CA

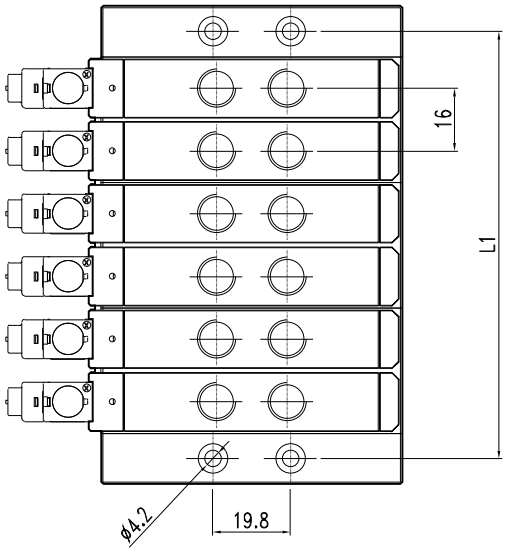


CODE: VA86PNMCP CP / **CP** / CP

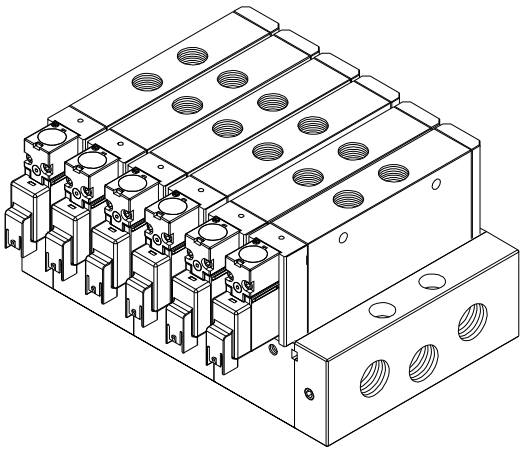


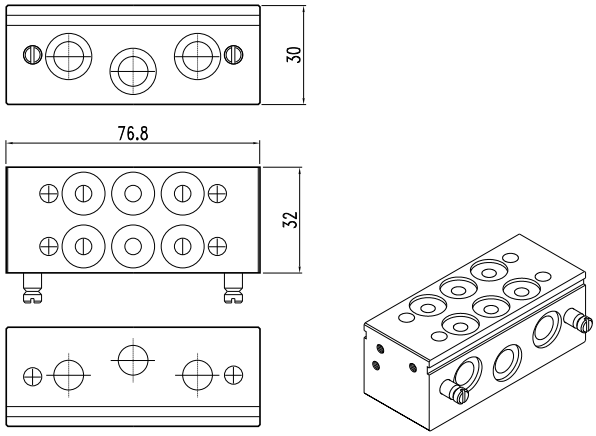






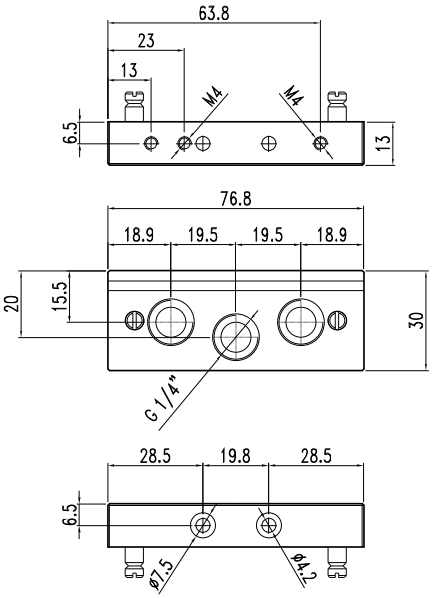
N° POS	L	L1
2	58	45
4	90	77
6	122	109
8	154	141
10	186	173
12	218	205
14	250	237
16	282	269
18	314	301
20	346	333
22	378	365

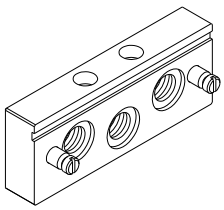




MODULAR MANIFOLD
BASE MODULAIRE
BASE MODULARE

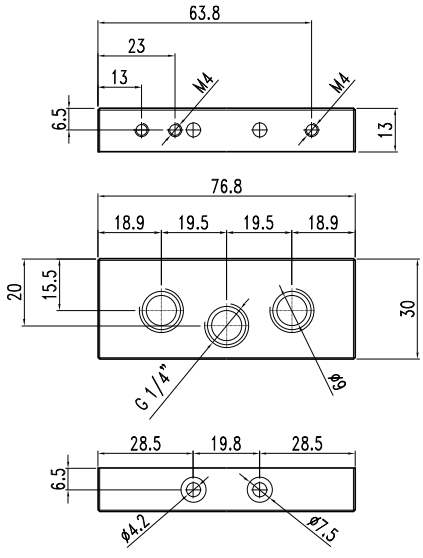
CODE: SB408211

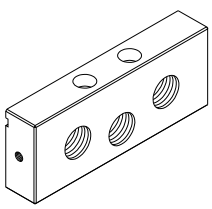




TERMINAL RIGHT
TERMINAL DROIT
TERMINALE DESTRO

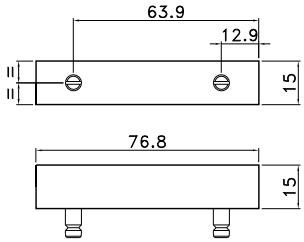
CODE: SB408212

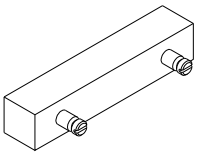




MODULAR TERMINAL LEFT
TERMINAL GAUCHE
TERMINALE SINISTRO

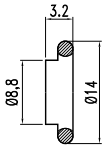
CODE: SB408213





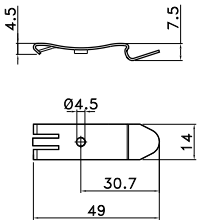
BRAKING PLATE
PLAQUE DE FERMETURE
PIASTRINA DI CHIUSURA

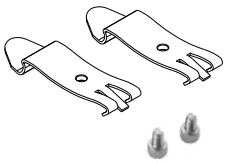
CODE: SB408214



DIAPHRAGM SEAL
JOINT DIAPHRAGME
GUARNIZIONE DIAFRAMMA

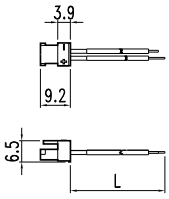
CODE: SB408215



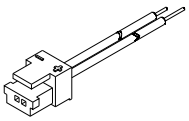


KIT ASSEMBLING ON DIN RAIL
KIT ASSEMBLAGE POUR GUIDE DIN
KIT STAFFE PER FISSAGGIO GUIDA DIN

CODE: SB408216



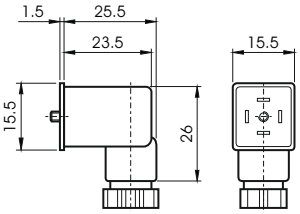
L = 300 mm
L = 500 mm
L = 1000 mm



CONNECTOR
CONNECTEUR
CONNETTORE

CODE:

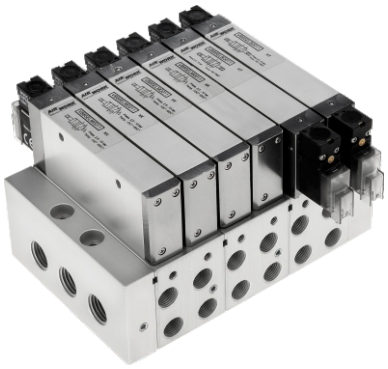
VX0048	300mm
VX0049	500mm
VX0050	1000mm



CONNECTORS
CONNECTEURS
CONNETTORI

CODE	DES.
VX0020	STANDARD
VX0021	LED 24V
VX0022	LED 110V
VX0023	LED 220V
VX0024	LED VDR 24V
VX0025	LED VDR 110V
VX0026	LED VDR 220V

SOLENOID VALVES VB SERIES
ELECTROVALVES SERIES VB
ELETTROVALVOLE SERIE VB



Airwork presents the new series of valves VB, designed to answer to the requests always more demanding of reduced dimensions without giving up to solidity and robustness. Here is our answer, a series of valves electrically and pneumatically controlled with width 15mm entirely made in aluminium. The VB series is designed with air port outputs directly to make easier the installation of the tubes on the plant.

Key points:

* reduced dimensions (15mm)
* low current absorption (1W)
* modern design and compactness, which renders the installation easy and avoids the accumulation of dirt
* components made of metal in order to guarantee a long duration even in demanding environments
* 3 different types of connection: lower, lateral and DIN 15mm.
* led indicating functioning, well visible
* monostable manual acting
* sub-base with exclusive modular system

Airwork presenta la nuova serie di valvole VB concepite per rispondere alle sempre maggiori esigenze di compattezza delle dimensioni, senza però rinunciare alla solidità e robustezza. Ecco allora la risposta, una serie di valvole a comando elettrico e pneumatico con larghezza 15mm interamente in alluminio. la serie VB è predisposta con attacchi uscite aria, direttamente sulla sottobase per facilitare l'istallazione dei tubi sull'impianto.

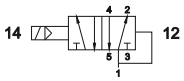
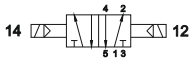
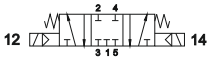
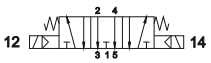
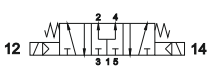
Punti di forza:

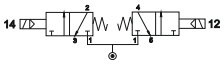
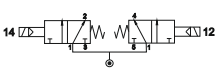
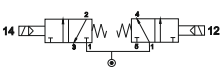
* Le dimensioni ridotte (15mm)
* basso assorbimento di corrente (1W)
* design moderno ma sopratutto compatto, facilita l'istallazione ed evita l'accumulo di sporcizia
* componenti in metallo per garantire lunga durata anche in ambienti difficili
* 3 differenti tipi di connessione: inferiore, laterale e DIN 15mm.
* Indicatore led di funzionamento, ben visibile
* azionamento manuale monostabile
* sottobase con esclusivo sistema modulare

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / **Fluide** / Fluido	lubricated or non lubricated air / **air lubrifié ou non** / aria con o senza ubrificazione
Max operating pressure / **Pression max d'utilisation** / Pressione massima di esercizio	
*solenoid pilot / **commande électrique** / pilotaggio elettrico	8 bar
*pneumatic pilot / **pilot pneumatique** / pilotaggio pneumatico	10 bar
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	-5 C° + 50 C°
Flow rate to 6 bar and Δp 1 bar / **Débit a 6 bar et** Δp 1 bar / Portata a 6 bar e Δp 1 bar	500 Nl/min
Electic tension / **Tension électrique** / Tensione elettrica	24VDC
Tension tolerance / **Tolérance de tension** / Tolleranza di tensione	±10%
Power consumption / **Consommation d'énergie** / Assorbimento	1W (DC)
Insulation / **Isolation** / Isolamento	classe F
Degree of protection / **Degré de protection** / Grado di protezione	IP 40
Valve width / **Largeur de la valve** / Largezza valvola	15mm
air ports / **attache** / attacchi	1/8
Pilots / **Commandes** / Comandi	solenoid and pneumatic / **électrique et pneumatique** / elettrico e pneumatico

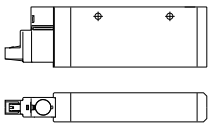
FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

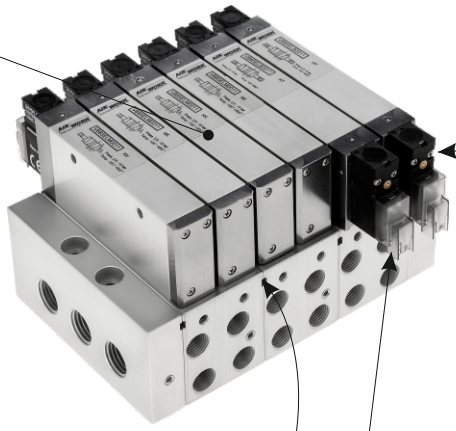
	CODE		CONNECTOR
	monostable / **monostable** / monostabile		
	VB85ELM0001	5/2	lateral / côté / laterale
	VB85ELM0011	5/2	lower / **infer.** / infer.
	VB85ELM0021	5/2	DIN 15mm
	bistable / **bistable** / bistabile		
	VB85ELB0001	5/2	lateral / côté / laterale
	VB85ELB0011	5/2	lower / **infer.** / infer.
	VB85ELB0021	5/2	DIN 15mm
	monostable / **monostable** / monostabile		
	VB86ELMCC01	5/3	lateral / côté / laterale
	VB86ELMCC11	5/3	lower / **infer.** / infer.
	VB86ELMCC21	5/3	DIN 15mm
	monostable / **monostable** / monostabile		
	VB86ELMCA01	5/3	lateral / côté / laterale
	VB86ELMCA11	5/3	lower / **infer.** / infer.
	VB86ELMCA21	5/3	DIN 15mm
	monostable / **monostable** / monostabile		
	VB86ELMCP01	5/3	lateral / côté / laterale
	VB86ELMCP11	5/3	lower / **infer.** / infer.
	VB86ELMCP21	5/3	DIN 15mm

	CODE		CONNECTOR
	monostable / **monostable** / monostabile		
	VB83ELM2C01	3/2+3/2 NC-NC	lateral / côté / laterale
	VB83ELM2C11	3/2+3/2 NC-NC	lower / **infer.** / infer.
	VB83ELM2C21	3/2+3/2 NC-NC	DIN 15mm
	monostable / **monostable** / monostabile		
	VB83ELM2A01	3/2+3/2 NO-NO	lateral / côté / laterale
	VB83ELM2A11	3/2+3/2 NO-NO	lower / **infer.** / infer.
	VB83ELM2A21	3/2+3/2 NO-NO	DIN 15mm
	monostable / **monostable** / monostabile		
	VB83ELM2X01	3/2+3/2 NC-NO	lateral / côté / laterale
	VB83ELM2X11	3/2+3/2 NC-NO	lower / **infer.** / infer.
	VB83ELM2X21	3/2+3/2 NC-NO	DIN 15mm

KEY POINTS / ATOUTS / PUNTI DI FORZA

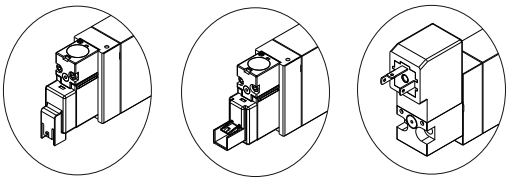
Clean profile and modern design
Profil esthétique propre et moderne
Profilo pulito ed estetica moderna





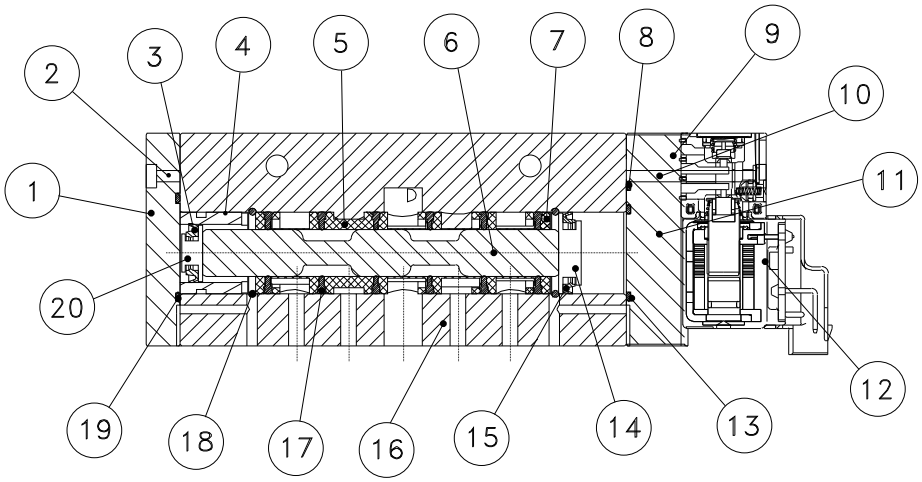
Manual operation
simple and safe
Commande manuelle
simple et sécurisée
Intervento manuale
semplice e sicuro

Manifold with hole for passing
through of the opposite solenoid cable
Collecteur avec canal pour passer
le fil du solénoïde opposé.
Sottobasi con canale per passaggio
cavo solenoide opposto.



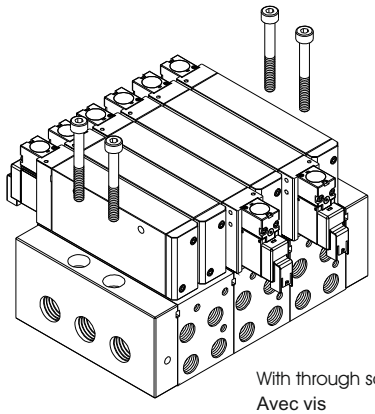
3 different types of solenoid
3 types de solénoïde différents / 3 differenti tipologie di elettropiloti

COMPONENTS / COMPOSANTS / COMPONENTI /

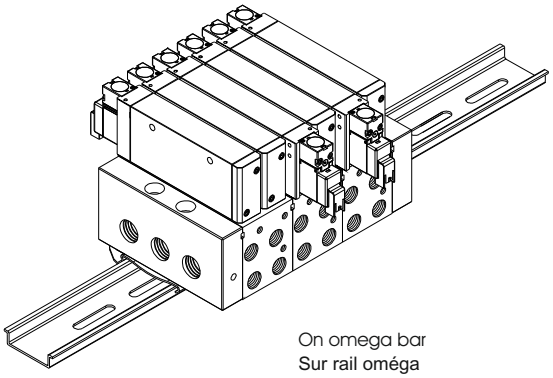


Pos.	Description	Material
20	PNEUMATIC SPRING PISTON	BRASS
19	O-RING 13x1	NBR
18	ELASTIC STOP RING	STEEL
17	AIRTIGHT SPOOL SEAL	NBR
16	VALVE BODY CORPS	ANODIZED ALUMINIUM
15	DE PISTON SEAL	NBR
14	PNEUMATIC PISTON	BRASS
13	O-RING 12x1	NBR
12	ELECTRIC PILOT VALVE	
11	ELECTRIC BOTTOM CORPS	ANODIZED ALUMINIUM
10	TCE M1,6 SCREW	GALVANIZED STEEL
9	SPHERE	100 Cr6 STEEL
8	O-RING 1.15x1	NBR
7	SPOOL DISTANCE	BRASS
6	SPOOL	AISI303 INOX STEEL
5	CAGE DISTANCE	BRASS
4	RIDUCTION FOR PNEUMATIC SPRING PISTON	BRASS
3	DE PISTON SEAL	NBR
2	TCE M1,6 SCREW	GALVANIZED STEEL
1	PNEUMATIC SPRING BOTTOM CORPS	ANODIZED ALUMINIUM

MOUNTING SYSTEM / SYSTÈME DE MONTAGE / SISTEMA DI FISSAGGIO

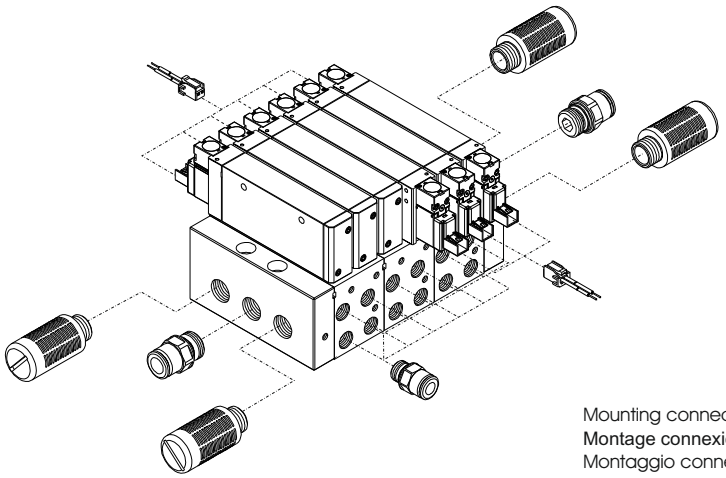


With through screws
Avec vis
Con viti passanti

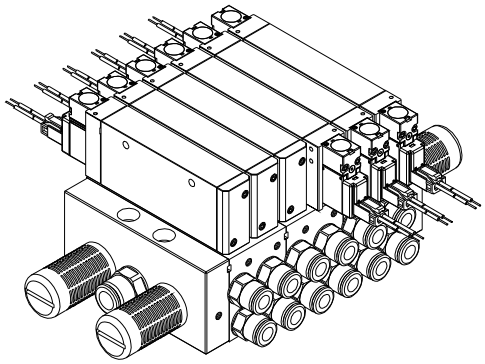


On omega bar
Sur rail oméga
Su barra omega

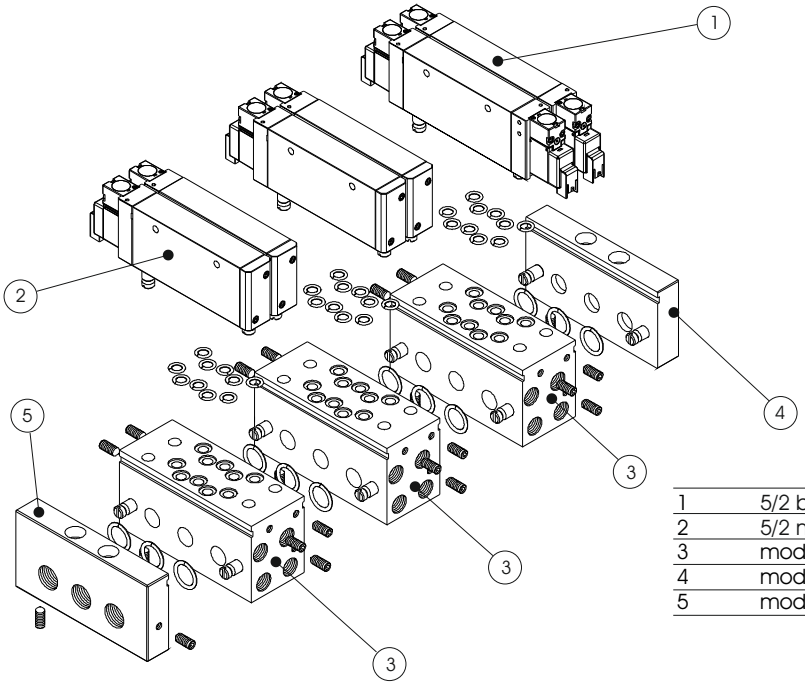
CONNECTION SYSTEM / CONNEXION SYSTEME / SISTEMA DI CONNESSIONE



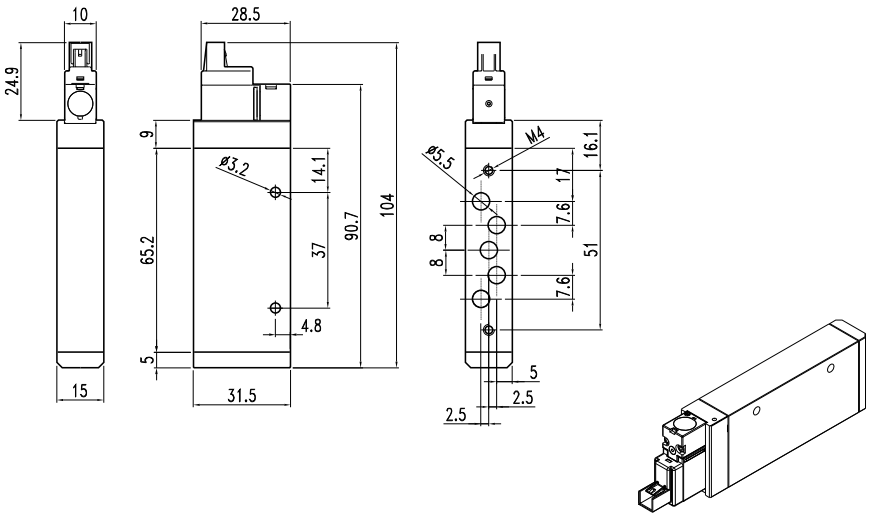
Mounting connections
Montage connexions
Montaggio connessioni



PART LIST/ VUE ECLATEE / ESPLOSO

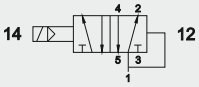


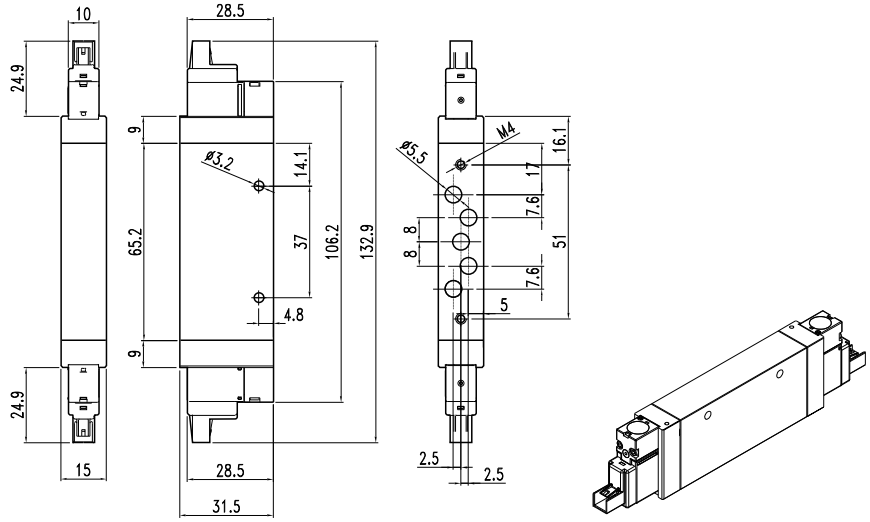
1	5/2 bistable / 5/2 bistable / 5/2 bistabile
2	5/2 monostable / 5/2 monostable / 5/2 monostabile
3	modular manifold / base modulaire / base modulare
4	modular terminal - right / terminal droit/ terminale destro
5	modular terminal - left / terminal gauche / terminale sinistro



1/8 - 5/2 monostable lateral connector
1/8 - 5/2 monostable connecteur côté
1/8 - 5/2 monostabile connettore laterale

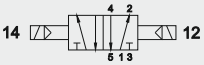
CODE: VB85ELM0001





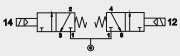
1/8 - 5/2 bistable lateral connector
1/8 - 5/2 bistable connecteur côté
1/8 - 5/2 bistabile connettore laterale

CODE: VB85ELB0001



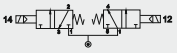
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable

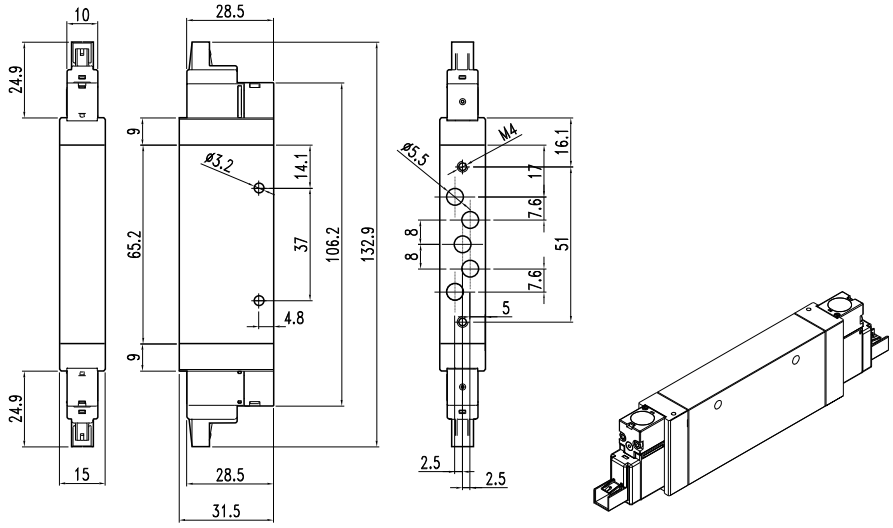
CODE: VB83ELM2C01 NC + NC



CODE: VB83ELM2A01 NA + NA

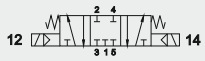
CODE: VB83ELM2X01 NC + NA



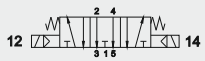


1/8 - 5/3 monostable lateral connector
1/8 - 5/3 monostable connecteur côté
1/8 - 5/3 monostabile connettore laterale

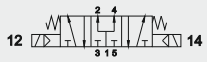
CODE: VB86ELMCC01 CC / **CF** / CC

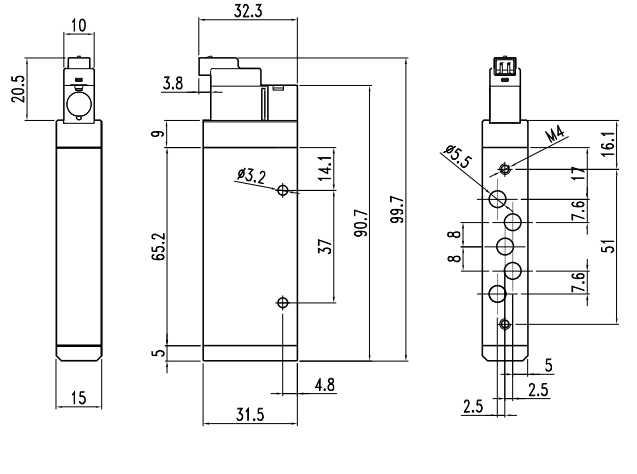


CODE: VB86ELMCA01 CO / **CO** / CA



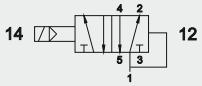
CODE: VB86ELMCP01 CP / **CP** / CP

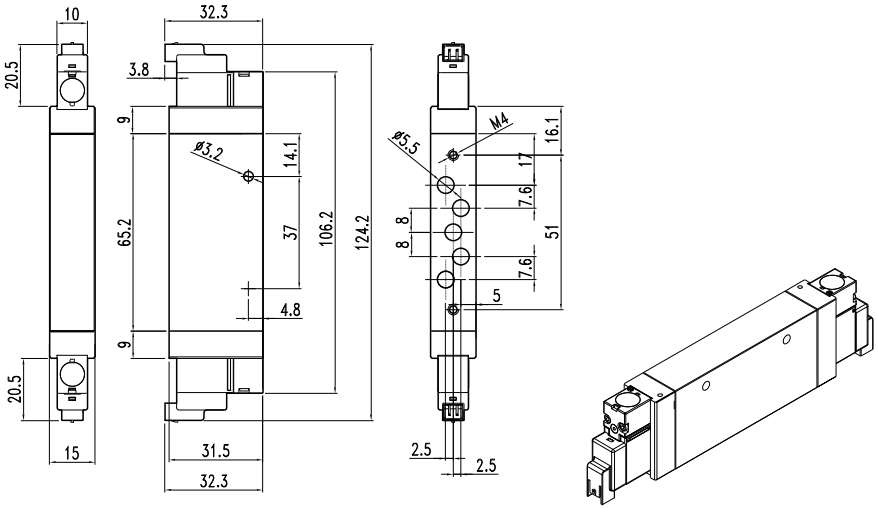




1/8 - 5/2 monostable lower connector
1/8 - 5/2 monostable connecteur inférieur
1/8 - 5/2 monostabile connettore inferiore

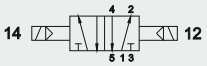
CODE: VB85ELM0011





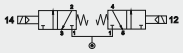
1/8 - 5/2 bistable lower connector
1/8 - 5/2 bistable connecteur inférieur
1/8 - 5/2 bistabile connettore inferiore

CODE: VB85ELB0011



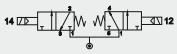
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable

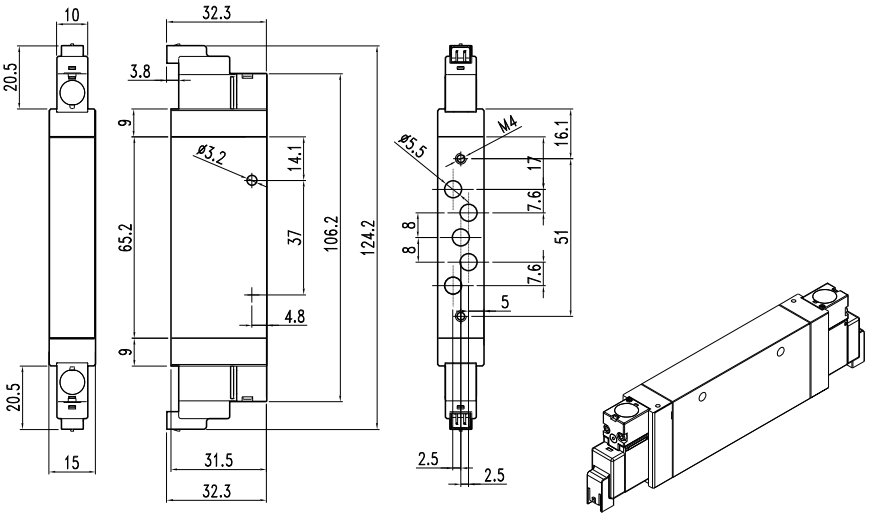
CODE: VB83ELM2C11 NC + NC



CODE: VB83ELM2A11 NA + NA

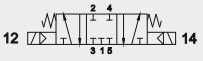
CODE: VB83ELM2X11 NC + NA



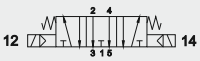


1/8 - 5/3 monostable lower connector
1/8 - 5/3 monostable connecteur inférieur
1/8 - 5/3 monostabile connettore inferiore

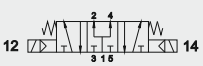
CODE: VB86ELMCC11 CC / **CF** / CC

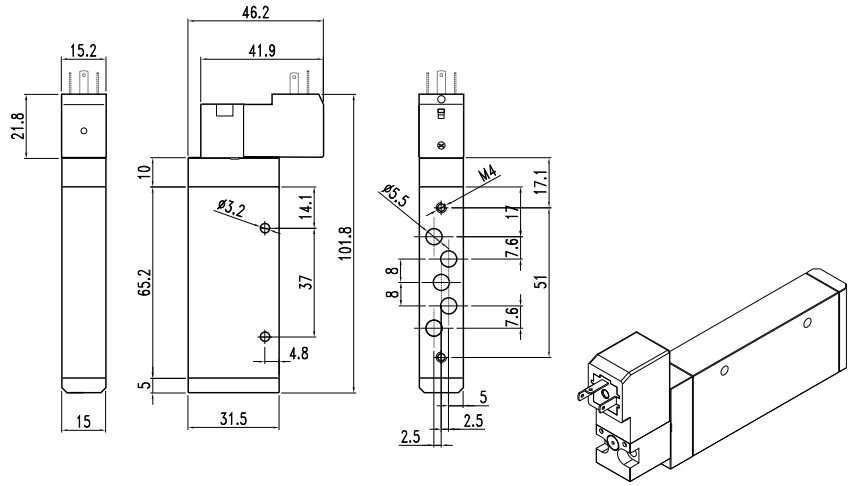


CODE: VB86ELMCA11 CO / **CO** / CA



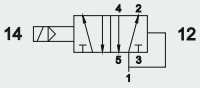
CODE: VB86ELMCP11 CP / **CP** / CP

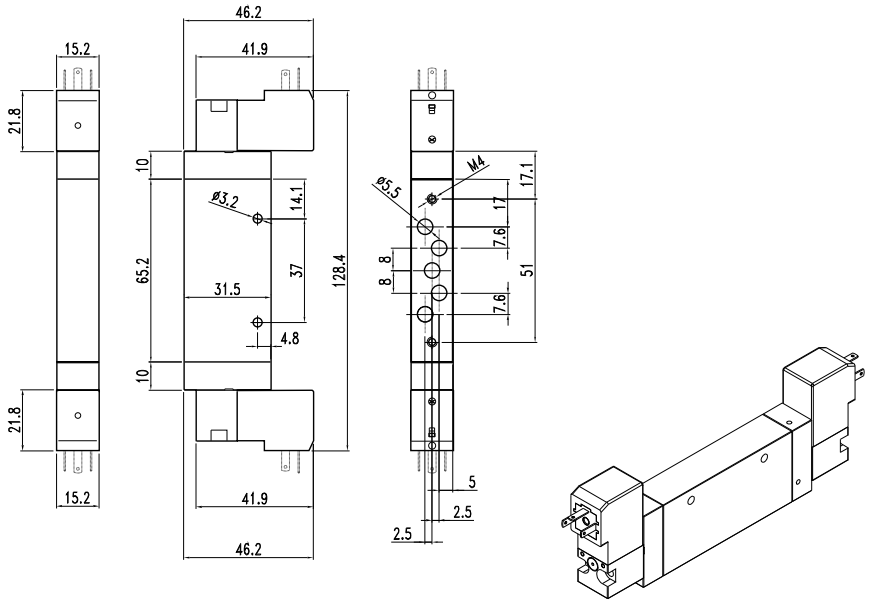




1/8 - 5/2 monostable DIN 15mm
1/8 - 5/2 monostable DIN 15mm
1/8 - 5/2 monostabile DIN 15mm

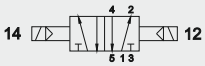
CODE: VB85ELM0021





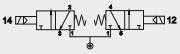
1/8 - 5/2 bistable DIN 15mm
1/8 - 5/2 bistable DIN 15mm
1/8 - 5/2 bistabile DIN 15mm

CODE: VB85ELB0021

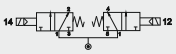


1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable

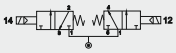
CODE: VB83ELM2C21 NC + NC

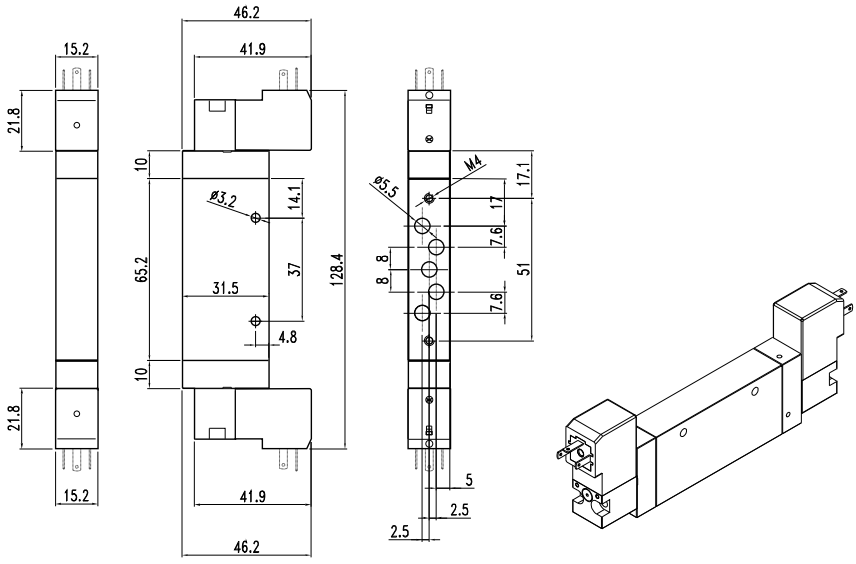


CODE: VB83ELM2A21 NA + NA



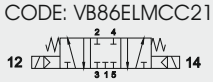
CODE: VB83ELM2X21 NC + NA



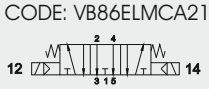


1/8 - 5/3 monostable DIN 15mm
1/8 - 5/3 monostable DIN 15mm
1/8 - 5/3 monostabile DIN 15mm

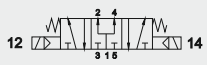
CODE: VB86ELMCC21 CC / **CF** / CC

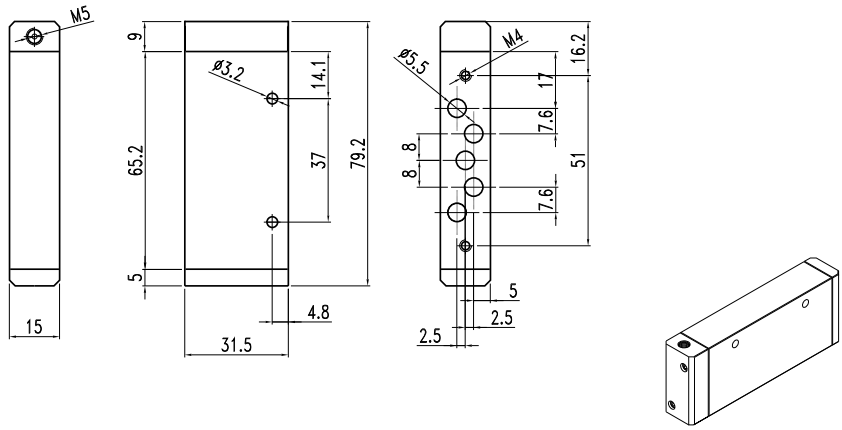


CODE: VB86ELMCA21 CO / **CO** / CA



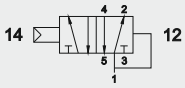
CODE: VB86ELMCP21 CP / **CP** / CP

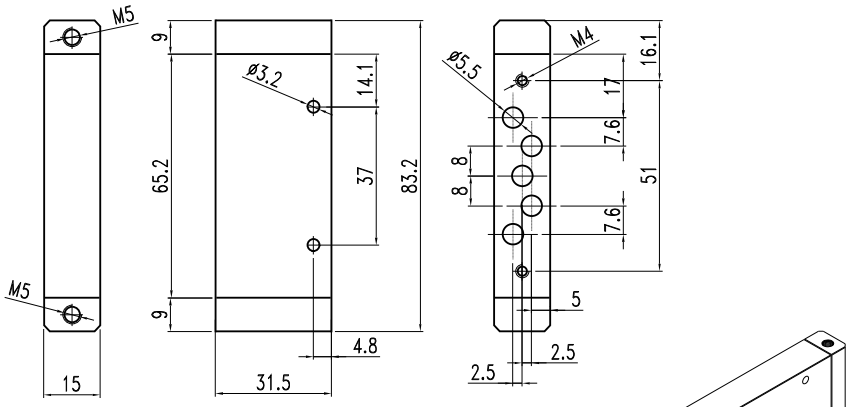




1/8 - 5/2 monostable
1/8 - 5/2 monostable
1/8 - 5/2 monostabile

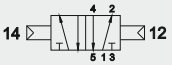
CODE: VB85PNM00





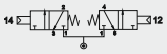
1/8 - 5/2 bistable
1/8 - 5/2 bistable
1/8 - 5/2 bistabile

CODE: VB85PNB00

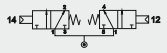


1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostabile

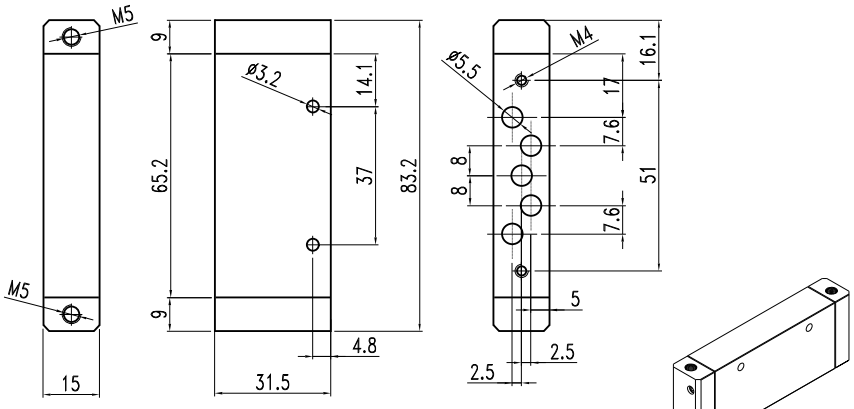
CODE: VB83PNM2C00 NC + NC



CODE: VB83PNM2A00 NA + NA

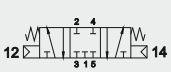


CODE: VB83PNM2X00 NC + NA

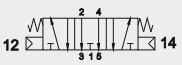


1/8 - 5/3 monostable
1/8 - 5/3 monostable
1/8 - 5/3 monostabile

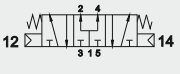
CODE: VB86PNMCCCC / **CF** / CC

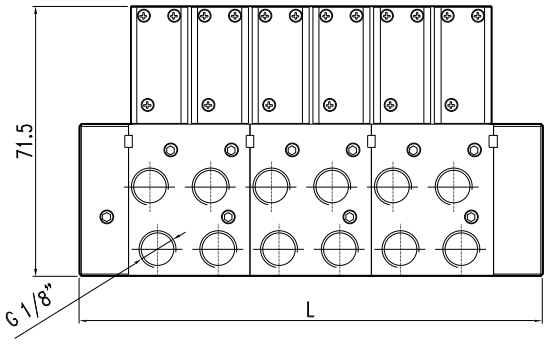


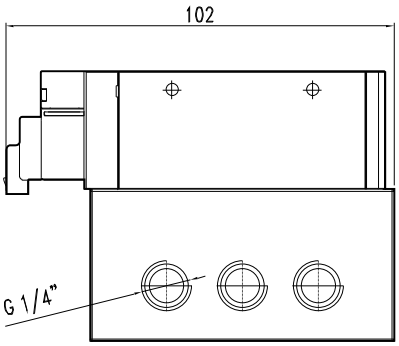
CODE: VB86PNMCA CO / **CO** / CA



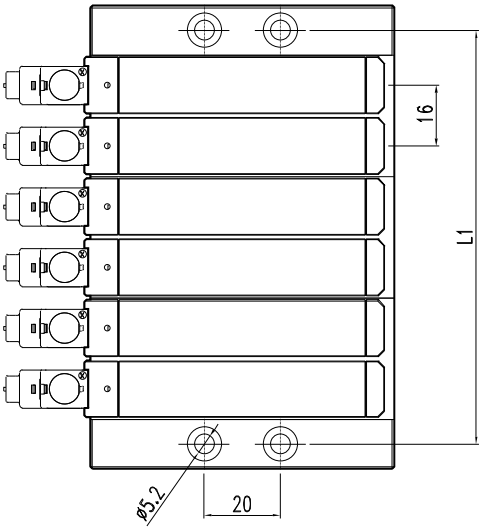
CODE: VB86PNMCP CP / **CP** / CP

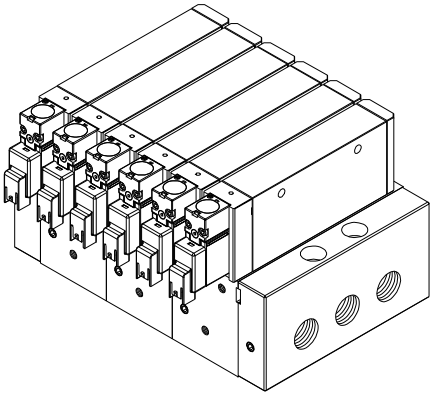


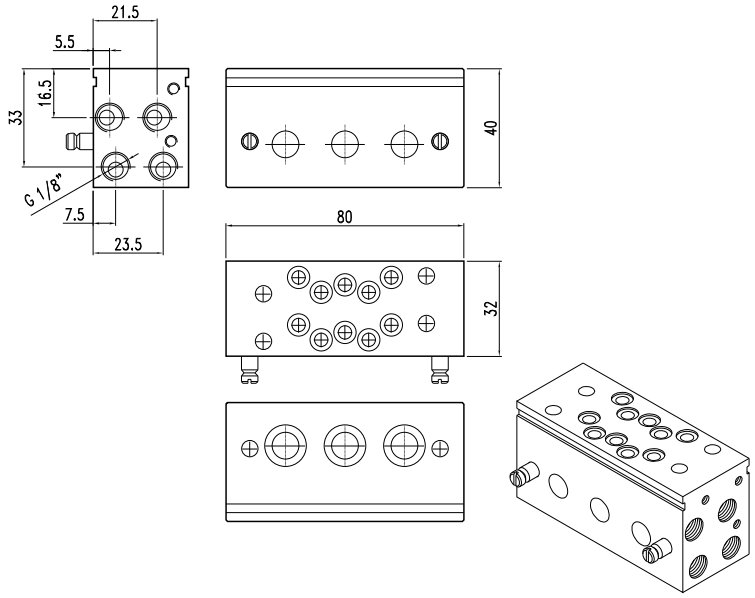




N° POS	L	L1
2	58	45
4	90	77
6	122	109
8	154	141
10	186	173
12	218	205
14	250	237
16	282	269
18	314	301
20	346	333
22	378	365

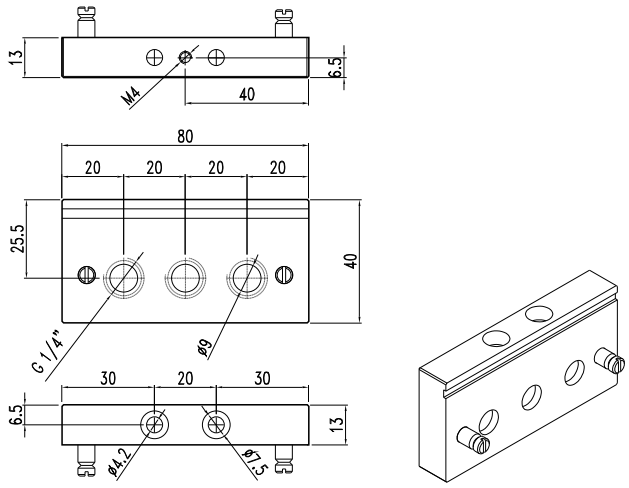






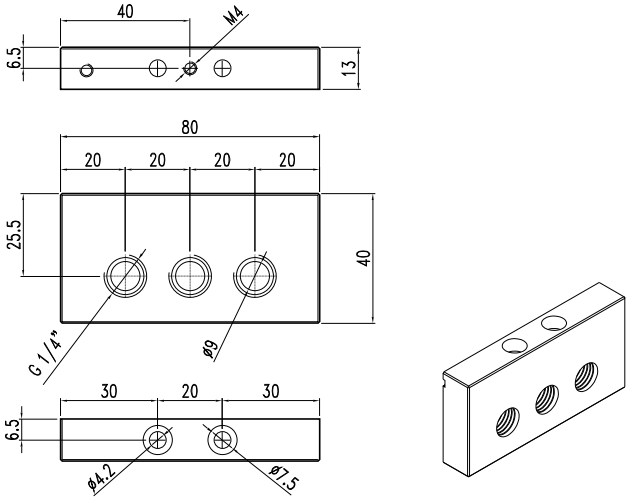
MODULAR MANIFOLD
BASE MODULAIRE
BASE MODULARE

CODE: SB409211



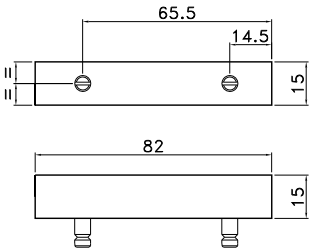
TERMINAL RIGHT
TERMINAL DROIT
TERMINALE DESTRO

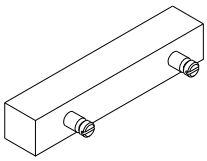
CODE: SB409212



TERMINAL LEFT
TERMINAL GAUCHE
TERMINALE SINISTRO

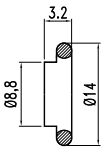
CODE: SB409213





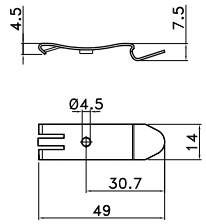
BRAKING PLATE
PLAQUE DE FERMETURE
PIASTRINA DI CHIUSURA

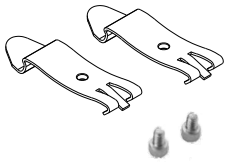
CODE: SB409214



DIAPHRAGM SEAL
JOINT DIAPHRAGME
GUARNIZIONE DIAFRAMMA

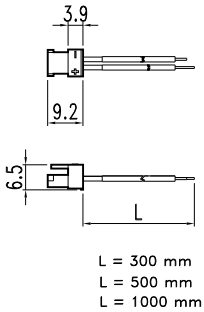
CODE: SB408215

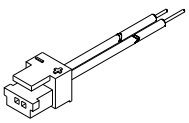




KIT ASSEMBLING FOR DIN RAIL
KIT ASSEMBLAGE POUR RAIL DIN
KIT STAFFE PER FISSAGGIO GUIDA DIN

CODE: SB408216

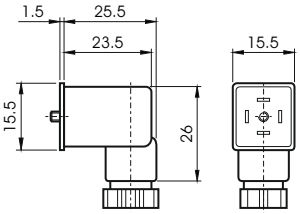




CONNECTOR
CONNECTEUR
CONNETTORE

CODE:

VX0048	300mm
VX0049	500mm
VX0050	1000mm



CONNECTORS
CONNECTEURS
CONNETTORI

CODE	DES.
VX0020	STANDARD
VX0021	LED 24V
VX0022	LED 110V
VX0023	LED 220V
VX0024	LED VDR 24V
VX0025	LED VDR 110V
VX0026	LED VDR 220V

ISLAND OF SOLENOID VALVES VH SERIES
ÎLE DE ELECTROVALVES SERIES VH
ISOLA DI ELETTROVALVOLE VALVOLE SERIE VH

VH series valve island, represents the new trend in pneumatic field, which responds to the need of saving energy and reducing dimensions while maintaining suitable flow rates.
It has a multipolar system with D-SUB 25 pin connection.

* Small size (15mm)
* Low power consumption (1W)
* High flow rate in comparison to the size
* Compact and clean design
* Metal components for long life even in harsh environments
* Fast response thanks to solenoid of the latest generation
* Manual operating easily accessible
* LED indicator integrated in the solenoid
* Sub-base with exclusive modular system
* All packs are delivered assembled and tested

Le nuove isole di valvole serie VH, rappresentano la nuova tendenza della pneumatica moderna che risponde ad esigenze di risparmio energetico e ingombri sempre più contenuti pur mantenendo portate di tutto rispetto.
La serie VH dispone di un sistema di connessione elettrica multipolare con presa D-SUB 25 pin.

Punti di forza:

* dimensioni ridotte (15mm)
* basso assorbimento di corrente (1W)
* portata elevata rispetto alla dimensione
* design compatto e pulito
* componenti in metallo per garantire lunga durata anche in ambienti difficili
* elevata velocità di risposta grazie a elettropiloti di ultima generazione
* azionamento manuale di facile accesso
* indicatore LED integrato nell'elettropilota
* sottobase con esclusivo sistema modulare
* tutte le isole sono consegnate montate e collaudate

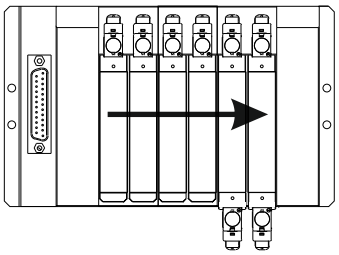
ORDERING CODE / **CODIFICATION** / CHIAVE DI CODIFICA

VH 2 0 0 0 0 0 0 0 0 0

- 0=Short code of blanking plate
  Code court de plaques de fermeture
  Codice breve piastrine di chiusura
- 0=Number of blanking plate
  Numéro de plaques de fermeture
  Numero piastrine di chiusura
- 0=Short code of vales 3/2 + 3/2
  Code court valve 3/2 + 3/2
  Codice breve valvole 3/2 + 3/2
- 0=Number of valves 3/2 + 3/2
  Numéro valve 3/2 + 3/2
  Numero valvole 3/2 + 3/2
- 0=Short code of valves 5/3
  Code court valve 5/3
  Codice breve valvole 5/3
- 0=Number of valves 5/3
  Numéro valve 5/3
  Numero valvole 5/3
- 0=Short code of valves 5/2
  Code court valve 5/2
  Codice breve valvole 5/2
- 0=Number of valves 5/2
  Numéro valve 5/2
  Numero valvole 5/2
- 2=SUB D 25 PIN

SHORT CODE / **CODE COURT** / CODICE BREVE

S=VB85ELM0011 (5/2 monostable / **5/2 monostable** / 5/2 monostabile)
D=VB85ELB0011 (5/2 bistable / **5/2 bistable** / 5/2 bistabile)
C=VB86ELMCC11 (5/3 closed centers / **5/3 centre fermé** / 5/3 centri chiusi)
O=VB86ELMCA11 (5/3 open centers / **5/3 centres ouverts** / 5/3 centri aperti)
P=VB86ELMCP11 (5/3 pressurized centers / **5/3 centre pression** / 5/3 centri in pressione)
L=VB83ELM2C11 (3/2 + 3/2 NC-NC)
A=VB83ELM2A11 (3/2 + 3/2 NO-NO)
X=VB83ELM2X11 (3/2 + 3/2 NC-NO)
B=blanking plate / **plaque de fermeture** / piastrina di chiusura

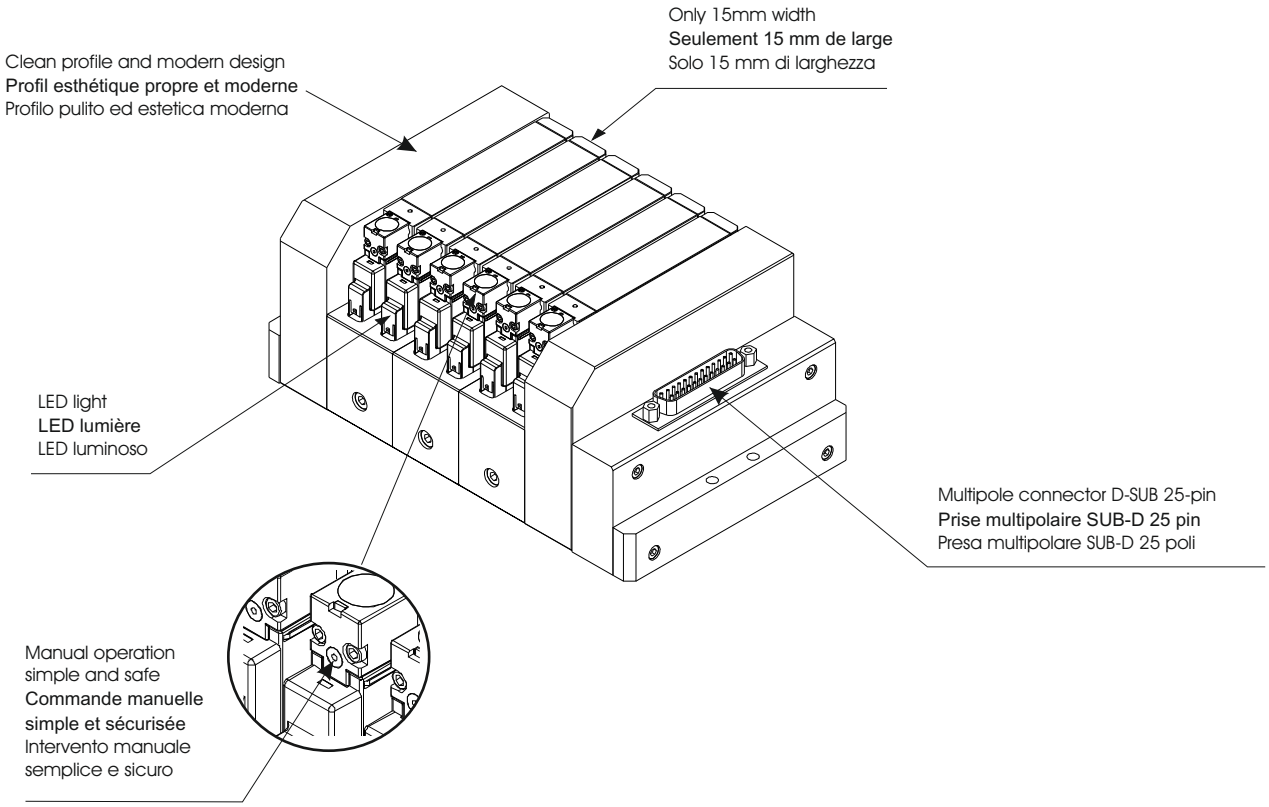


EXEMPLE / **EXEMPLE** / ESEMPIO: island composed of n°4 5/2 single solenoid + n°2 5/3 closed centers / **île composée de n°4 5/2 électrovannes + n° 2 5/3 centres fermés** / isola composta da n°4 5/2 singolo solenoide + n° 2 5/3 centri chiusi : VH24S2C00000

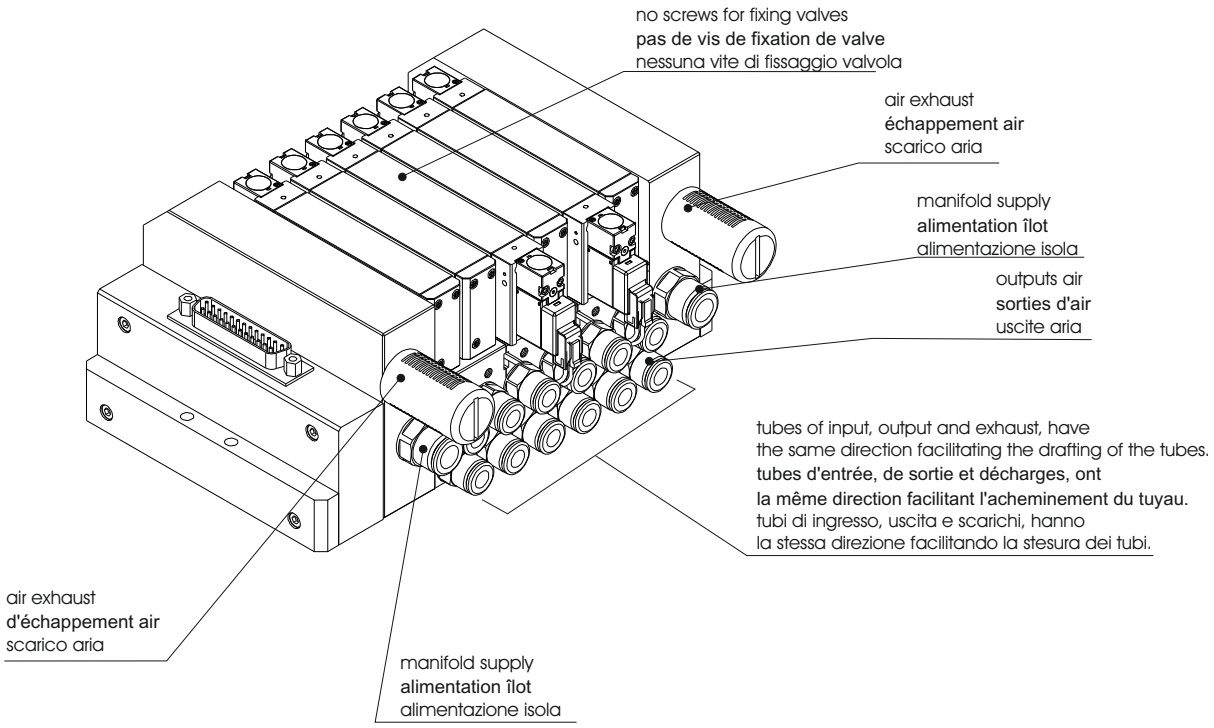
TECHNICAL DATA / **DONNEES TECHNIQUES** / DATI TECNICI

Fluid / **Fluide** / Fluido	lubricated or non lubricated air / **air lubrifié ou non** / aria con o senza ubrificazione
Max operating pressure / **Pression max d'utilisation** / Pressione massima di esercizio	
*solenoid pilot / **commande électrique** / pilotaggio elettrico	8 bar
*pneumatic pilot / **pilot pneumatique** / pilotaggio pneumatico	10 bar
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	-5 C° + 50 C°
Flow rate to 6 bar and Δp 1 bar / **Débit a 6 bar et** Δp 1 bar / Portata a 6 bar e Δp 1 bar	500 Nl/min
Electic tension / **Tension électrique** / Tensione elettrica	24VDC
Tension tolerance / **Tolérance de tension** / Tolleranza di tensione	±10%
Power consumption / **Consommation d'énergie** / Assorbimento	1W (DC)
Insulation / **Isolation** / Isolamento	classe F
Degree of protection / **Degré de protection** / Grado di protezione	IP 40
Valve width / **Largeur de la valve** / Largezza valvola	15mm
Air ports / **attache** / attacchi	1/8
Indicatori elettrici in on / **Les indicateurs électriques sur** / indicators on electrical in on	LED
Type of connection / **type de connexion sortante** / tipo di connessione in uscita	D-SUB 25 pin

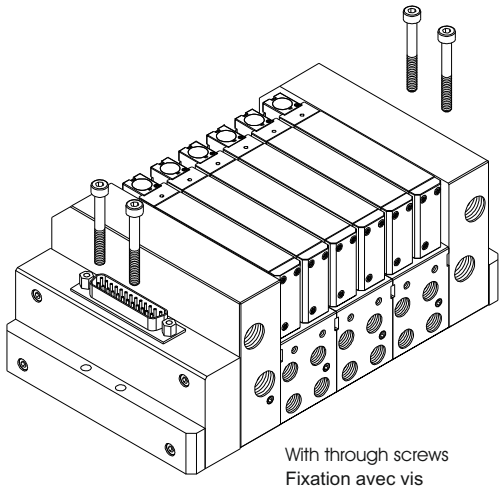
KEY POINTS / ATOUTS / PUNTI DI FORZA



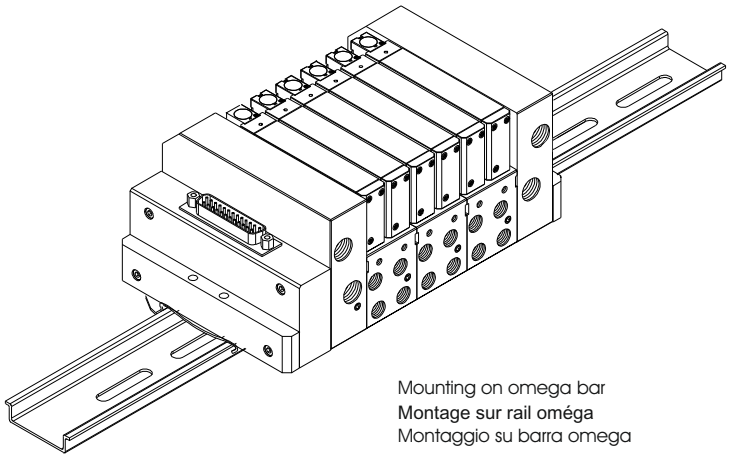
CONNECTION SYSTEM / SYSTÈME DE CONNEXION / SISTEMA DI CONNESSIONE



MOUNTING SYSTEM / SYSTÈME DE MONTAGE / SISTEMA DI FISSAGGIO

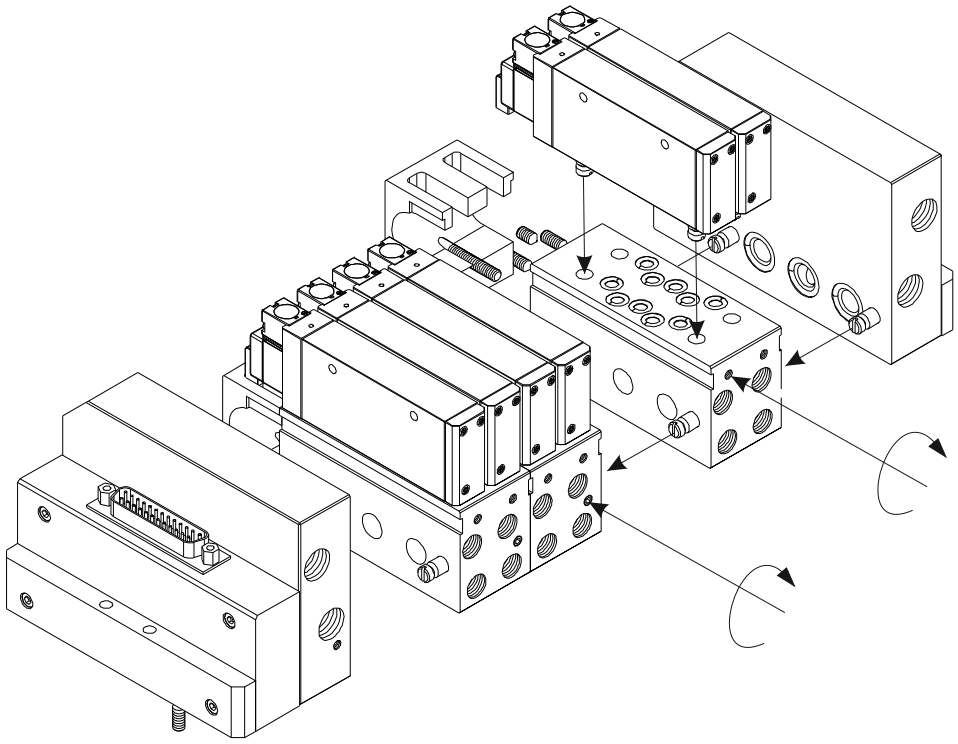


With through screws
Fixation avec vis
Fissaggio con viti passanti

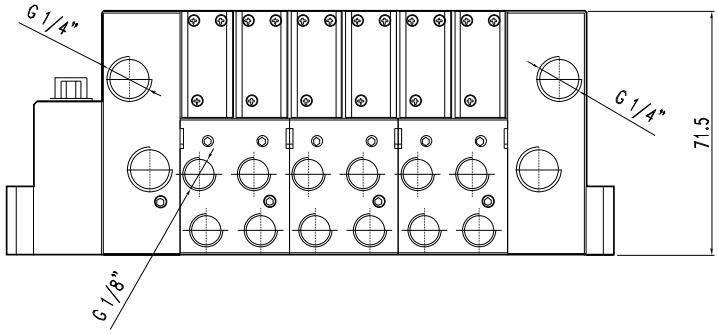


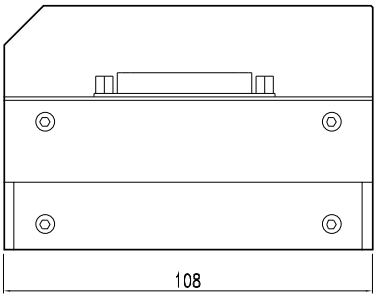
Mounting on omega bar
Montage sur rail oméga
Montaggio su barra omega

CONNECTION SYSTEM / CONNEXION SYSTEME / SISTEMA DI CONNESSIONE

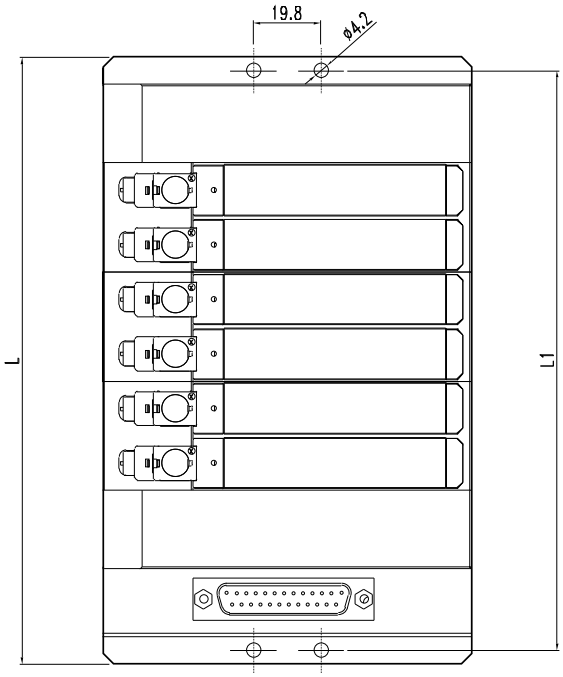


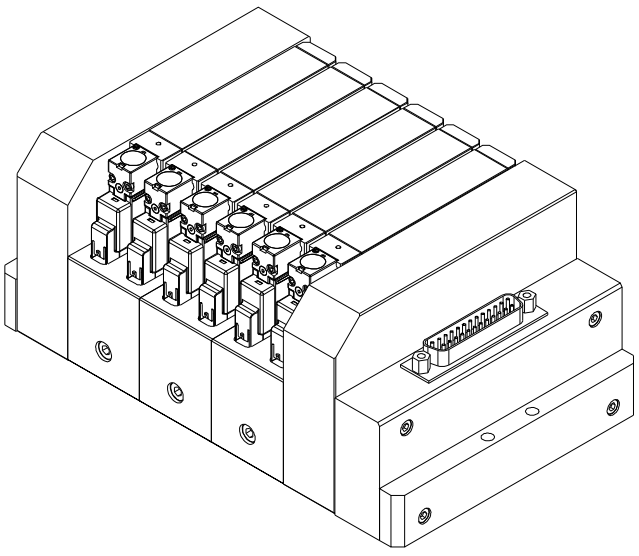
The connection to all modules including valves and terminals is made through a system of grains on inclined plane which cross the tip of a headless screw, causing the approaching and clamping of the parts.
Le système de couplage de tous les modules, y compris des vannes et des bornes, est réalisé au moyen d'un circuit interne sur le plan incliné qui traverse la pointe d'une vis sans tête, ce qui provoque la liaison et le verrouillage des deux parties.
Il sistema di aggancio di tutti i moduli comprese valvole e terminali, viene eseguito tramite un particolare sistema di grani a piano inclinato che incrociano la punta di una vite senza testa, provocano l'avvicinamento e il bloccaggio delle due parti.

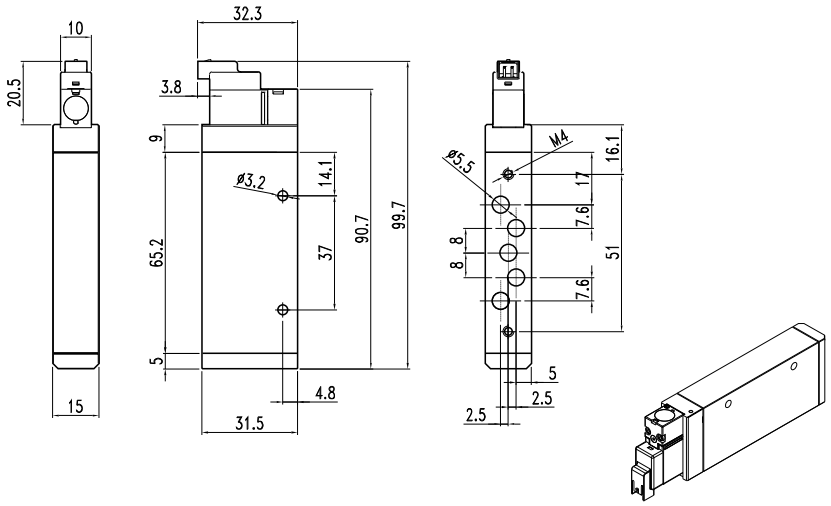




N° POS	L	L1
2	114	106
4	146	138
6	178	170
8	210	202
10	242	234
12	274	266
14	306	298
16	338	330
18	370	362
20	402	394
22	434	426



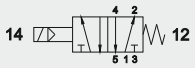


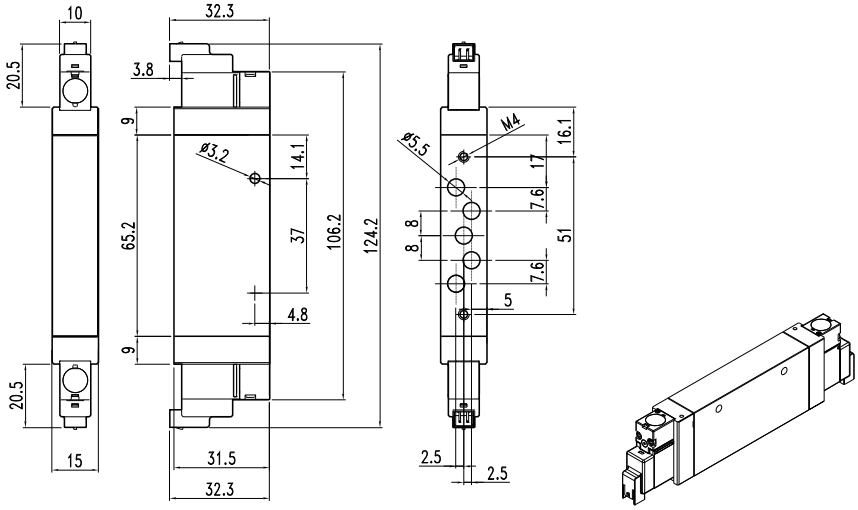


SHORT CODE / **CODE COURT** / CODICE BREVE

1/8 - 5/2 monostable
1/8 - 5/2 monostable
1/8 - 5/2 monostabile

CODE: S

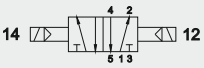




SHORT CODE / **CODE COURT** / CODICE BREVE

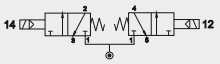
1/8 - 5/2 bistable
1/8 - 5/2 bistable
1/8 - 5/2 bistabile

CODE: D

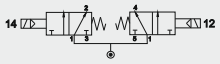


1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostable
1/8 - 3/2 + 3/2 monostabile

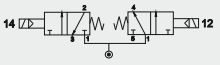
NC + NC
CODE: L

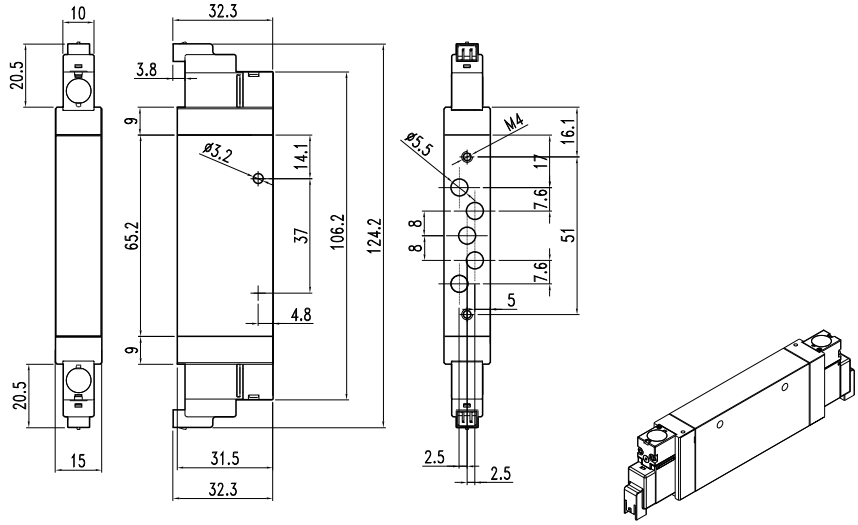


NO + NO
CODE: A



NC + NO
CODE: X

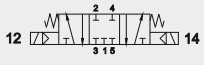




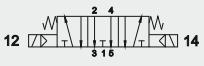
SHORT CODE / **CODE COURT** / CODICE BREVE

1/8 - 5/3 monostable
1/8 - 5/3 monostable
1/8 - 5/3 monostabile

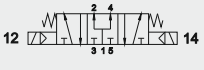
CODE: C

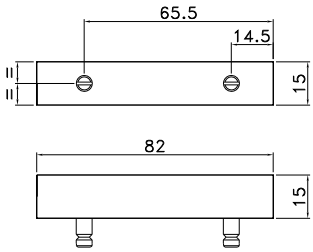


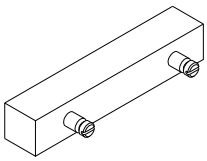
CODE: O



CODE: P



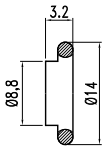




SHORT CODE / CODE COURT / CODICE BREVE

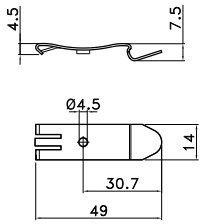
BRAKING PLATE
PLAQUE DE FERMETURE
PIASTRINA DI CHIUSURA

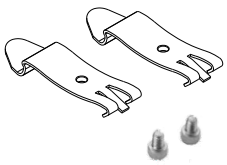
CODE: B



DIAPHRAGM SEAL
JOINT DIAPHRAGME
GUARNIZIONE DIAFRAMMA

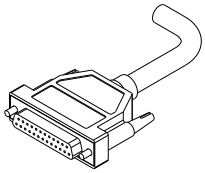
CODE: SB408215





KIT ASSEMBLING ON DIN RAIL
KIT ASSEMBLAGE SUR RAIL DIN
KIT STAFFE PER FISSAGGIO GUIDA DIN

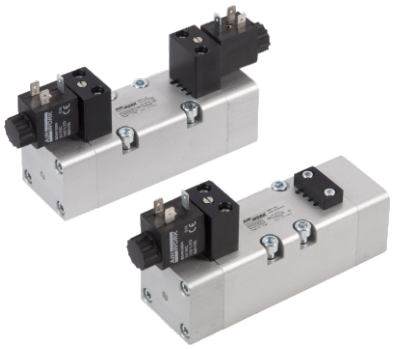
CODE: SB408216



CONNECTOR SUB-D 25 PIN WITH CABLE 1,5 MT
CONNECTEUR D-SUB 25 PIN CABLE 1,5 MT
CONNETTORE SUB-D 25 PIN CON CAVO 1,5 MT

CODE: VX0004

ISO 5599/1 VALVES - SIZE 1 AND 2
VALVE ISO 5599/1 TAILLE 1 E 2
VALVOLE ISO 5599/1 TAGLIA 1 E 2



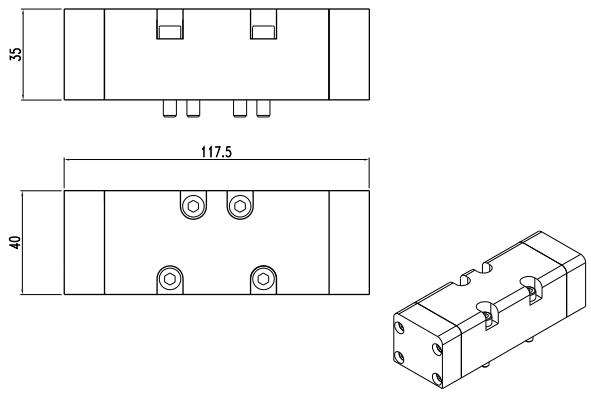
The VI Series complies with ISO 5599/1 norms.
They are entirely made in aluminium in order to grant strength and long durability.
They are available in ISO 1 and ISO 2 with different bases according to the different applications.

Le distributeur de la série VI norme 5599/1 est conçu entièrement en aluminium ce qui renforce sa robustesse et sa fiabilité.
Disponible en taille ISO 1et ISO 2, son montage est prèvu sur embase avec différentes applications.

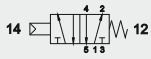
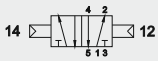
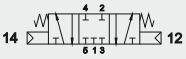
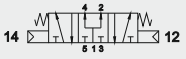
Le valvole della serie VI sono realizzate per rispondere alla normativa 5599/1.
Costruzione interamente in alluminio per garantire solidità e lunga durata.
Sono disponibili nella tagli ISO 1 e ISO 2 con diverse configurazioni di sottobasi.

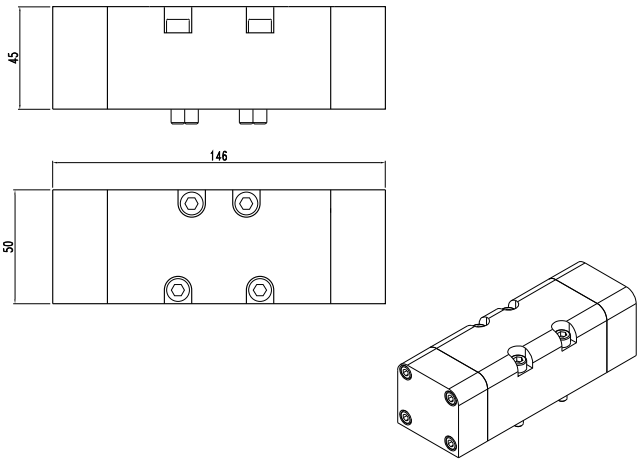
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non** / Aria con o senza lubrificazione	
Temperature range / **Température d'utilisation** / Temperatura di esercizio	-10° +60°C	
Actuating pressure / **Pression d'alimentation** / Pressione di azionamento		
Monostable / **Monostabile** / Monostabile	2,5 - 10bar	
Bistable / **Bistable** / Bistabile	1 - 10bar	
	ISO 1	ISO 2
Nominal orifice / **Diamétre nominal** / Diametro nominale	7,5mm	9mm
Flow rate 6 bar Δp 1bar / **Débit a 6 bar Δp 1bar** / Portata a 6 bar Δp 1bar	1100 Nl/min	2700 Nl/min
TRR monostabile a 6bar / **TRA** / TRA	24ms / 50ms	39ms / 60ms
TRR monostabile a 6bar / **TRA** / TRA	80ms / 80ms	90ms / 90ms

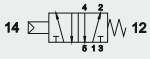
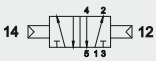
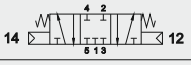
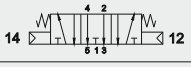
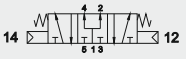


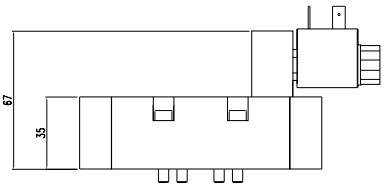
ISO 1
PNEUMATIC PILOT / **COMMANDE PNEU.** / COMANDO PNEUMATICO

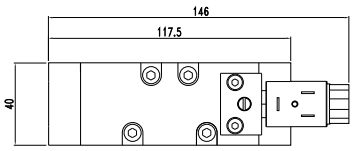
CODE: VI115010	5/2 monostable **5/2 monostable** 5/2 monostabile	
CODE: VI115020	5/2 bistable **5/2 bistable** 5/2 bistabile	
CODE: VI116021	5/3 closed centres **5/3 centre fermé** 5/3 centri chiusi	
CODE: VI116022	5/3 open centres **5/3 centre ouvert** 5/3 centri apertl	
CODE: VI116023	5/3 press.centres **5/3 centre en pression** 5/3 centri in pressione	

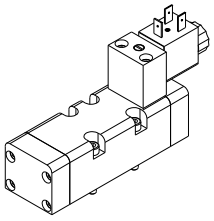


ISO 2
PNEUMATIC PILOT / **COMMANDE PNEU.** / COMANDO PNEUMATICO

CODE: VI125010	5/2 monostable **5/2 monostable** 5/2 monostabile	
CODE: VI125020	5/2 bistable **5/2 bistable** 5/2 bistabile	
CODE: VI126021	5/3 closed centres **5/3 centre fermé** 5/3 centri chiusi	
CODE: VI126022	5/3 open centres **5/3 centre ouvert** 5/3 centri aperti	
CODE: VI126023	5/3 press.centres **5/3 centre en pression** 5/3 centri in pressione	

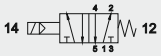


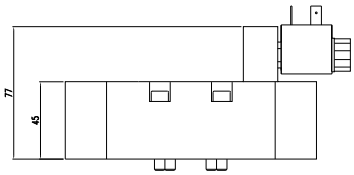


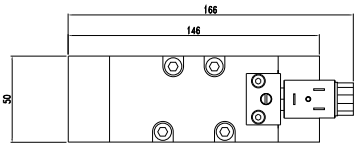


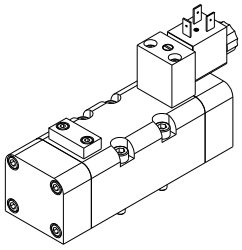
ISO 1

5/2 monostable
5/2 monostable
5/2 monostabile

CODE: VI215030 

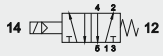


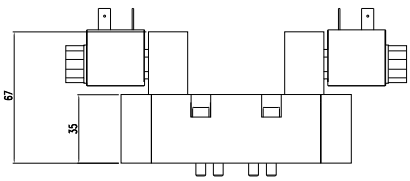


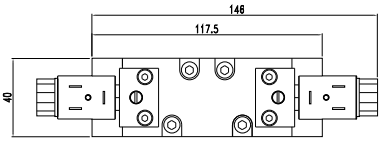


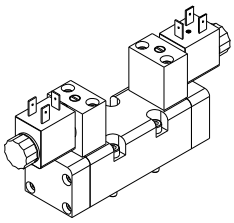
ISO 2

5/2 monostable
5/2 monostable
5/2 monostabile

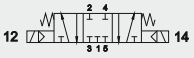
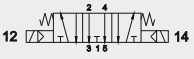
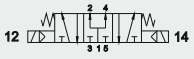
CODE: VI225030 

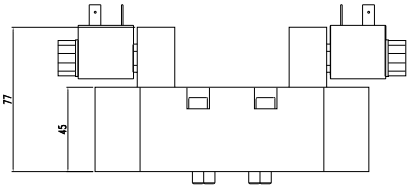


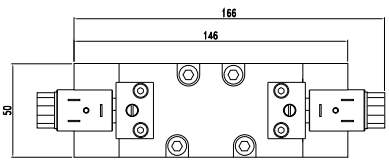


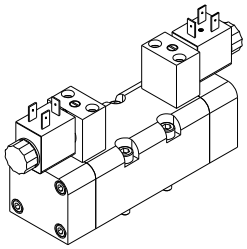


ISO 1

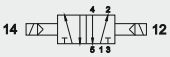
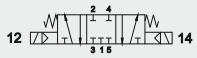
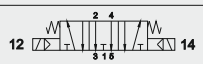
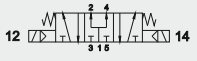
CODE: VI215040	5/2 bistable **5/2 bistable** 5/2 bistabile	
CODE: VI216041	5/3 closed centres **5/3 centre fermé** 5/3 centri chiusi	
CODE: VI216042	5/3 open centres **5/3 centre ouvert** 5/3 centri aperti	
CODE: VI216043	5/3 press.centres **5/3 centre en pression** 5/3 centri in pressione	





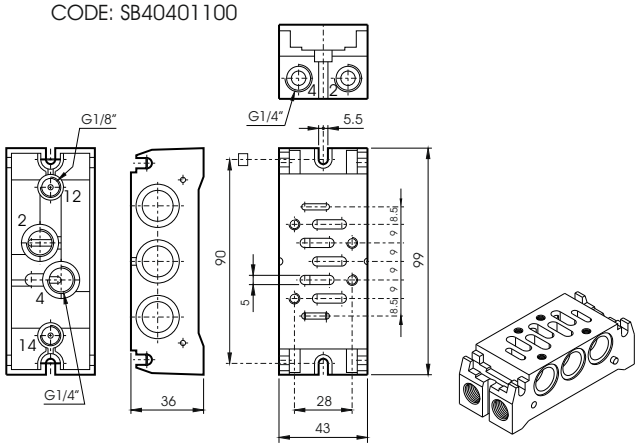


ISO 2

CODE: VI225040	5/2 bistable **5/2 bistable** 5/2 bistabile	
CODE: VI226041	5/3 closed centres **5/3 centre fermé** 5/3 centri chiusi	
CODE: VI226042	5/3 open centres **5/3 centre ouvert** 5/3 centri aperti	
CODE: VI226043	5/3 press.centres **5/3 centre en pression** 5/3 centri in pressione	

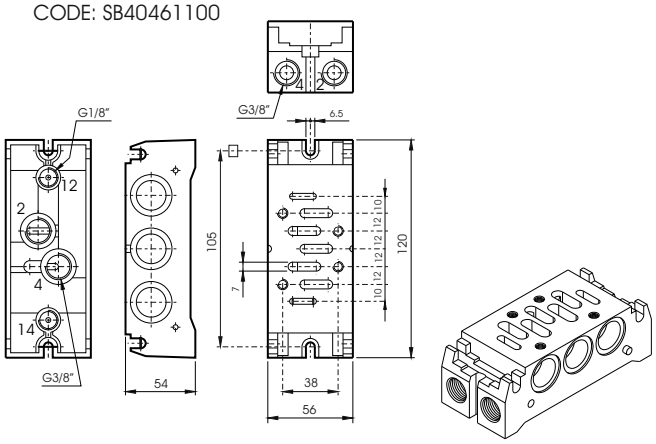
MODULAR SUB-BASE ISO 1
EMBASE MODULAIRE ISO 1
SOTTOBASE MODULARE ISO 1

CODE: SB40401100



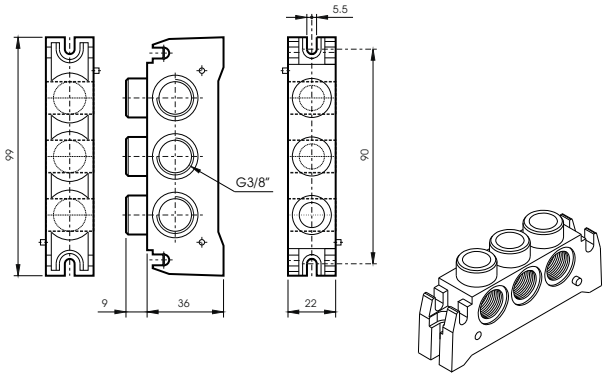
MODULAR SUB-BASE ISO 2
EMBASE MODULAIRE ISO 2
SOTTOBASE MODULARE ISO 2

CODE: SB40461100



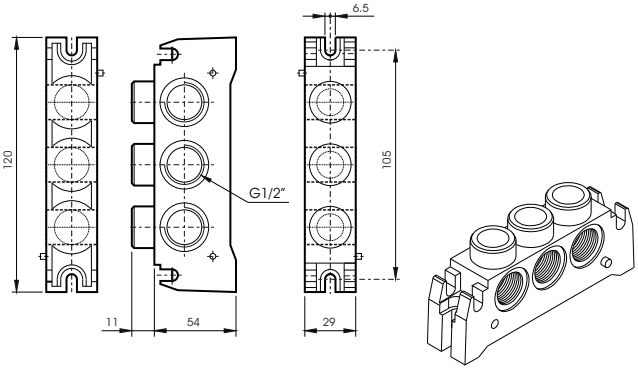
SIDE ENTRY HEADER ISO 1
PLAQUE D'ENTREE EN AXE ISO 1
TERMINALE DI INGRESSO IN ASSE ISO 1

CODE: SB40400001



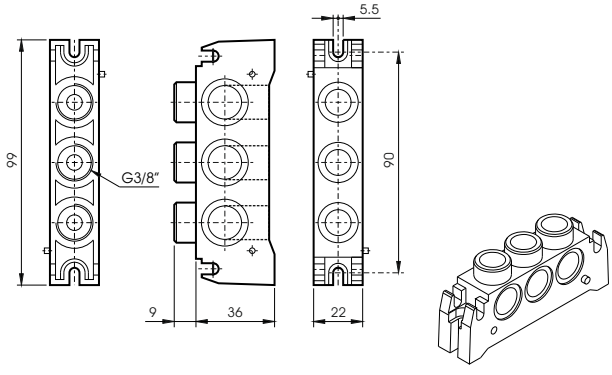
SIDE ENTRY HEADER ISO 2
PLAQUE D'ENTREE EN AXE ISO 2
TERMINALE DI INGRESSO IN ASSE ISO 2

CODE: SB40460001



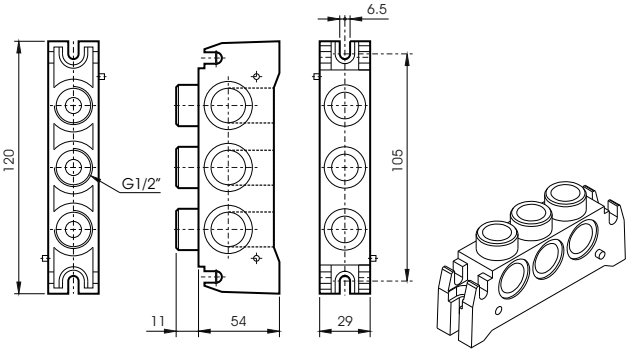
BOTTOM ENTRY HEADER ISO 1
PLAQUE D'ENTREE INFERIEURE ISO 1
TERMINALE DI INGRESSO INFERIORE ISO 1

CODE: SB40400003



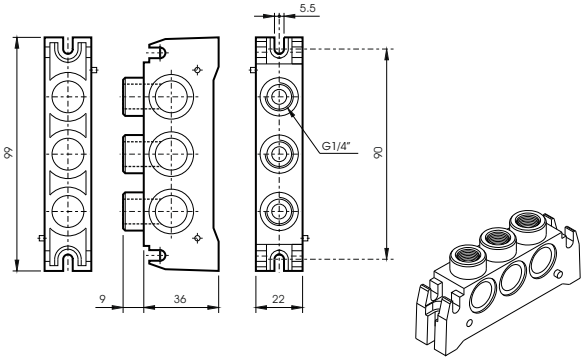
BOTTOM ENTRY HEADER ISO 2
PLAQUE D'ENTREE INFERIEURE ISO 2
TERMINALE DI INGRESSO INFERIORE ISO 2

CODE: SB40460003



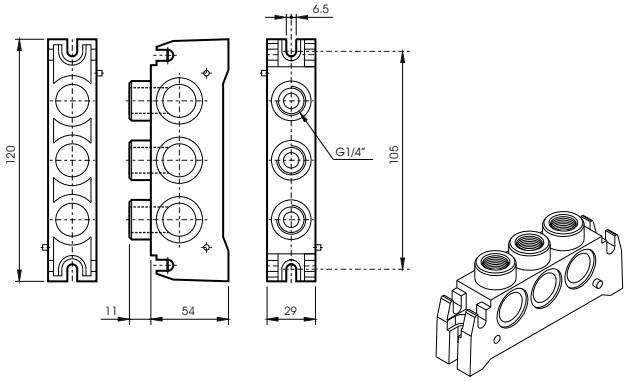
TOP ENTRY HEADER ISO 1
EMBASE D'ENTREE SUPERIEURE ISO 1
TERMINALE DI INGRESSO SUPERIORE ISO 1

CODE: SB40400002



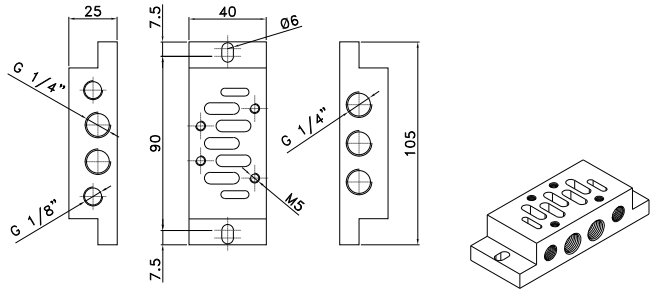
TOP ENTRY HEADER ISO 2
EMBASE D'ENTREE SUPERIEURE ISO 2
TERMINALE DI INGRESSO SUPERIORE ISO 2

CODE: SB40460002



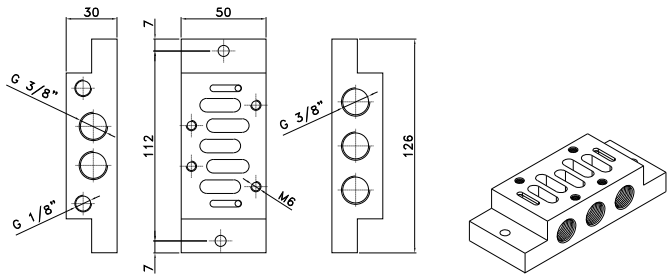
SINGLE SUB-BASE ISO 1
EMBASE SIMPLE ISO 1
SOTTOBASE SINGOLA ISO 1

CODE: SB40400100



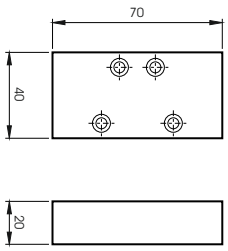
SINGLE SUB-BASE ISO 2
EMBASE SIMPLE ISO 2
SOTTOBASE SINGOLA ISO 2

CODE: SB40460100



BLANKING PLATE ISO 1
PLAQUE DE FERMETURE ISO 1
PIASTRINA DI CHIUSURA ISO 1

CODE: SB40400004

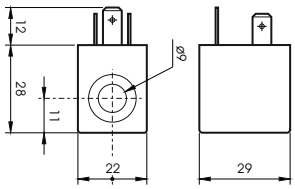


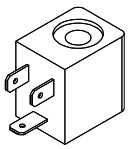
DIAPHRAGM GASKET
JOINT DIAPHRAGME
GUARNIZIONE DIAFRAMMA

CODE: SB40400005

COILS 22mm
BOBINE 22mm
BOBINE 22mm

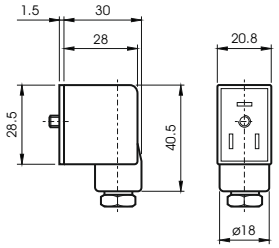
	power / consommation /assorbimento		
CODE	Tension	Rated	Inrush
BO4011024	24 VDC	3W	
BO4012024	24 VAC	5VA	7,5VA
BO4012110	110 VAC	5VA	7,5VA
BO4012220	220 VAC	5VA	7,5VA

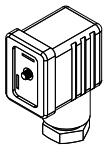




CONNECTORS
CONNECTEUR
CONNETTORI

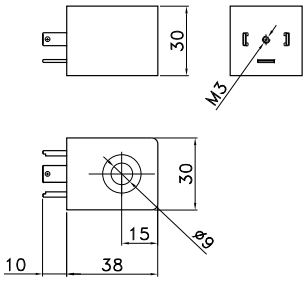
CODE	
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR
VX0018	LED+VDR
VX0019	LED+VDR

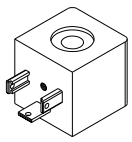




COILS 30mm
BOBINE 30mm
BOBINE 30mm

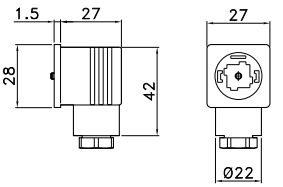
	power / consommation /assorbimento		
CODE	Tension	Rated	Inrush
BO4021024	24 VDC	2W	
BO4022024	24 VAC	5VA	9VA
BO4022110	110 VAC	5VA	9VA
BO4020220	220 VAC	5VA	9VA

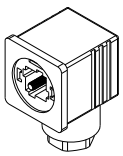




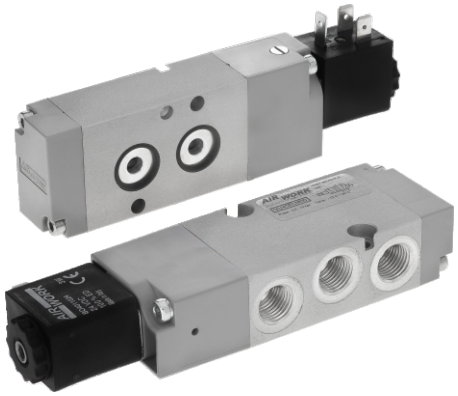
CONNECTORS
CONNECTEUR
CONNETTORI

CODE	
VX0027	STANDARD
VX0028	LED 24V
VX0029	LED 110V
VX0030	LED 220V
VX0031	LED+VDR
VX0032	LED+VDR
VX0033	LED+VDR





NAMUR VALVES
VALVE NAMUR
VALVOLE NAMUR



Pneumatic and solenoid valves complying with NAMUR norms (direct assembly).
Valves are entirely made in aluminium, to improve the solidity and the durability.
Available size is 1/4 and available functions are 3/2 and 5/2.

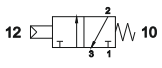
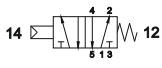
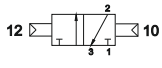
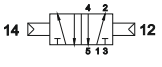
La valve pneumatique et électrique a un plan de pose Namur (norme pour assemblage direct) est en aluminium , ce qui renforce sa robustesse et sa fiabilité.
Elle est disponible en 1/4 fonction 3/2 et 5/2

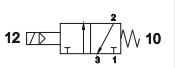
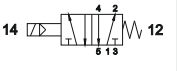
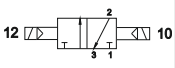
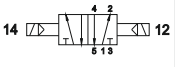
Valvole ad azionamento pneumatico ed elettrico con posa di montaggio diretto NAMUR.
Costruzione interamente in alluminio per aumentare la robustezza e la durata nel tempo.
Disponibili nella taglia 1/4 e nelle funzioni 3/2 e 5/2.

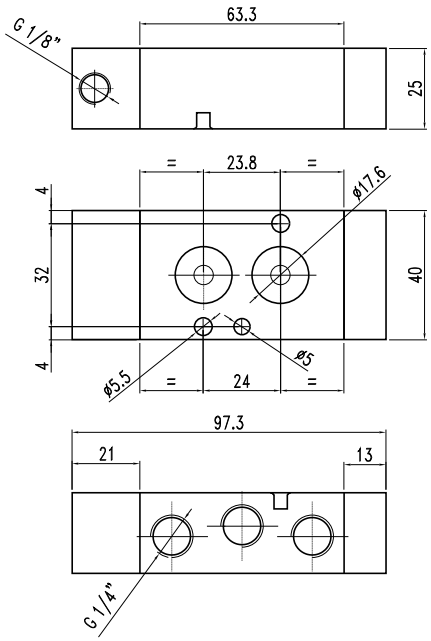
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

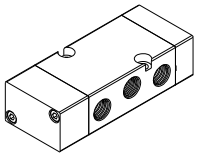
Flow rate 6 bar Δp 1bar / Débit a 6 bar Δp 1bar / Portata a 6 bar Δp 1bar	1100 Nl/min
Nominal orifice / Diamétre nominal / Diametro nominale	7.5mm
Response time pneumatic / Temps de réponse pneu. / Tempi di risposta pneumatico	
* monostable / monostable / monostabile	TRA 7ms / TRR 15ms
* bistable / bistable / bistabile	TRA 7ms / TRR 7ms
Response time solenoid / Temps de réponse elect. / Tempi di risposta elettrico	
* monostable / monostable / monostabile	TRA 19ms / TRR 45ms
* bistable / bistable / bistabile	TRA 22ms / TRR 22ms
Pressure range / Pression d'utilisation / Pressione di esercizio	
* monostable / monostable / monostabile	2.5 ÷ 10bar
* bistable / bistable / bistabile	1 ÷ 10bar
Temperature range / Température d'utilisation / Temperatura di esercizio	-10 C° ÷ +60c°

FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

	Pneum. monostable / Pneum.monostable / Pneum.monostabile			
	VU43PNMNC	3/2	1/4	NC / NF / NC
	Pneum. monostable / Pneum.monostable / Pneum.monostabile			
	VU45PNM00	5/2	1/4	
	Pneum. bistable / Pneum.bistable / Pneum.bistabile			
	VU43PNB00	3/2	1/4	
	Pneum. bistable / Pneum.bistable / Pneum.bistabile			
	VU45PNB00	5/2	1/4	

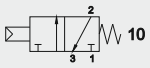
	Solenoid monostable / Électrique monostable / Eletri. monostabile			
	VU43ELMNC	3/2	1/4	NC / NF / NC
	Solenoid monostable / Électrique monostable / Eletri. monostabile			
	VU45ELM00	5/2	1/4	
	Solenoid bistable / Électrique bistable / Eletri. bistabile			
	VU43ELB00	3/2	1/4	
	Solenoid bistable / Électrique bistable / Eletri. bistabile			
	VU45ELB00	5/2	1/4	





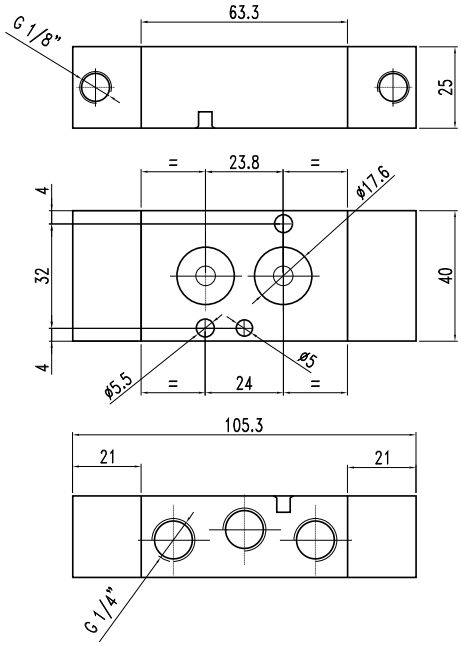
1/4 - 3/2 NC pneumatic pilot monostable
1/4 - 3/2 NF commande pneumatique monostable
1/4 - 3/2 NC comando pneumatico monostabile

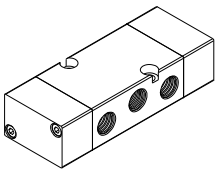
CODE: VU43PNMNC



1/4 - 5/2 pneumatic pilot monostable
1/4 - 5/2 commande pneumatique monostable
1/4 - 5/2 comando pneumatico monostabile

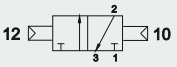
CODE: VU45PNM00





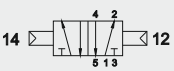
1/4 - 3/2 pneumatic pilot bistable
1/4 - 3/2 commande pneumatique bistable
1/4 - 3/2 comando pneumatico bistabile

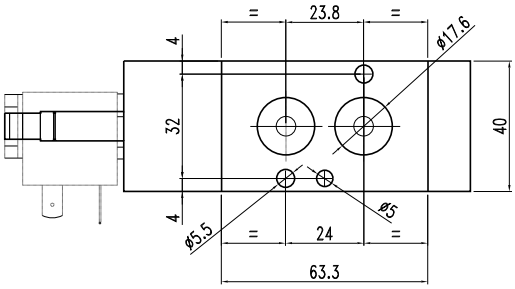
CODE: VU43PNB00

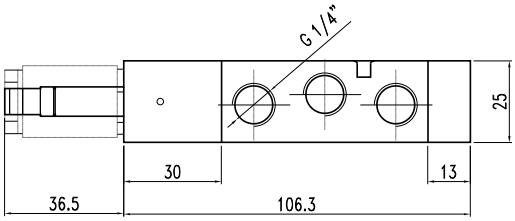


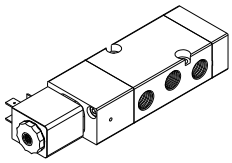
1/4 - 5/2 pneumatic pilot bistable
1/4 - 5/2 commande pneumatique bistable
1/4 - 5/2 comando pneumatico bistabile

CODE: VU45PNB00



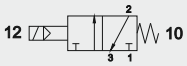






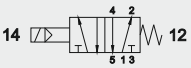
1/4 - 3/2 NC solenoid pilot monostable
1/4 - 3/2 NF commande électrique monostable
1/4 - 3/2 NC comando elettrico monostabile

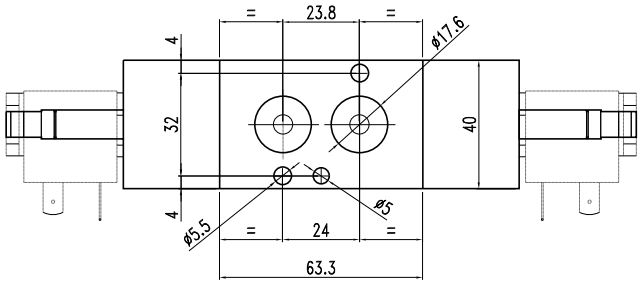
CODE: VU43ELMNC

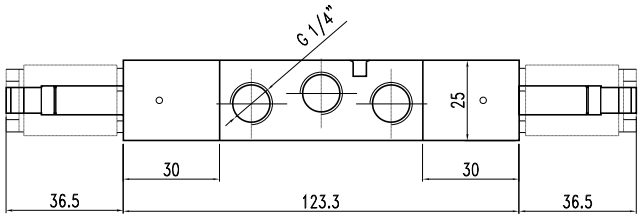


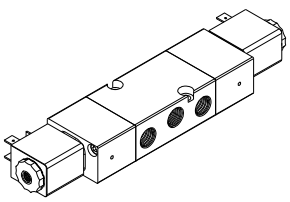
1/4 - 5/2 solenoid pilot monostable
1/4 - 5/2 commande électrique monostable
1/4 - 5/2 comando elettrico monostabile

CODE: VU45ELM00



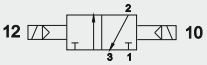






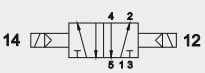
1/4 - 3/2 solenoid pilot bistable
1/4 - 3/2 commande électrique bistable
1/4 - 3/2 comando elettrico bistabile

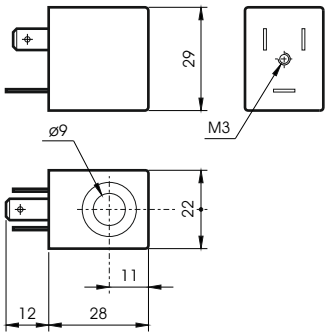
CODE: VU43ELB00

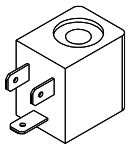


1/4 - 5/2 solenoid pilot bistable
1/4 - 5/2 commande électrique bistable
1/4 - 5/2 comando elettrico bistabile

CODE: VU45ELB00





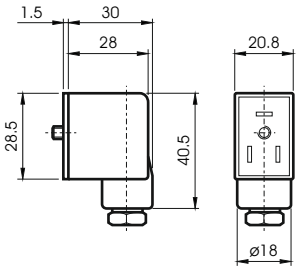


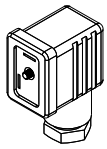
COILS
BOBINE
BOBINE

CODE	Power / Absorption / Assorbimento tension **tension** tensione	 rated **résistance** a regime	 inrush **de sortie** di spunto
BO4011024	24 VDC	3W	
BO4012024	24 VAC	5VA	7,5VA
BO4012110	110 VAC	5VA	7,5VA
BO4012220	220 VAC	5VA	7,5VA

TECHNICAL SPECIFICATIONS
CARACTERISTIQUES TECHNIQUES
CARATTERISTICHE TECNICHE

Tension tolerance / **Tolérance** / Tolleranza di tensione	+10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%





CONNECTORS
CONNECTEURS
CONNETTORI

CODE	
AR40696	STANDARD
VX0014	LED 24V
VX0015	LED 110V
VX0016	LED 220V
VX0017	LED+VDR 24V
VX0018	LED+VDR 110V
VX0019	LED+VDR 220V

MANUAL ACTUATED VALVES
VALVES A COMMANDE MANUELLE
VALVOLE AD AZIONAMENTO MANUALE

Extended range of manual valves with different operations: 90° lever, lever on top, drawer, with adaptor for all actuators on panel.
Available in size 1/8 and 1/4 , available functions are 3/2, 5/2, 5/3.
Entirely in aluminium to grant strength and long durability.

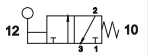
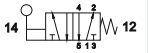
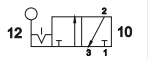
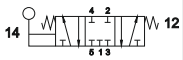
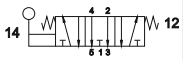
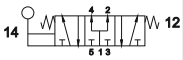
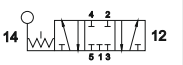
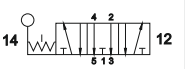
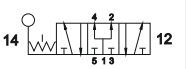
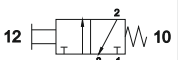
Gamme tres large des distributeurs à commande manuelle: à levier 90°, poussé tiré, à bouton, montage sur panneau.
Disponible en taille 1/8 et 1/4, fonction 3/2, 5/2 et 5/3.
Sa construction en aluminium assure une grande robustesse et une très grande fiabilité.

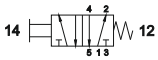
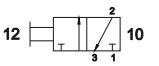
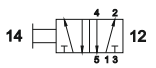
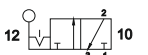
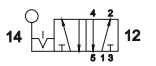
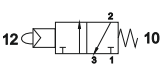
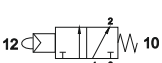
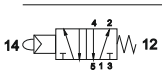
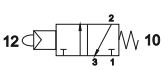
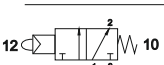
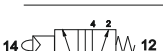
Vastissima gamma di valvole manuali caratterizzate da diverse tipologie di azionamenti: leva 90°, leva in testa, tiretto, con adattatore per ospitare tutti i tipi di attuatori a pannello.
Sono disponibili nelle taglie 1/8 e 1/4 e nelle funzioni 3/2, 5/2 e 5/3.
Costruzione interamente in alluminio per garantire robustezza e durata nel tempo.

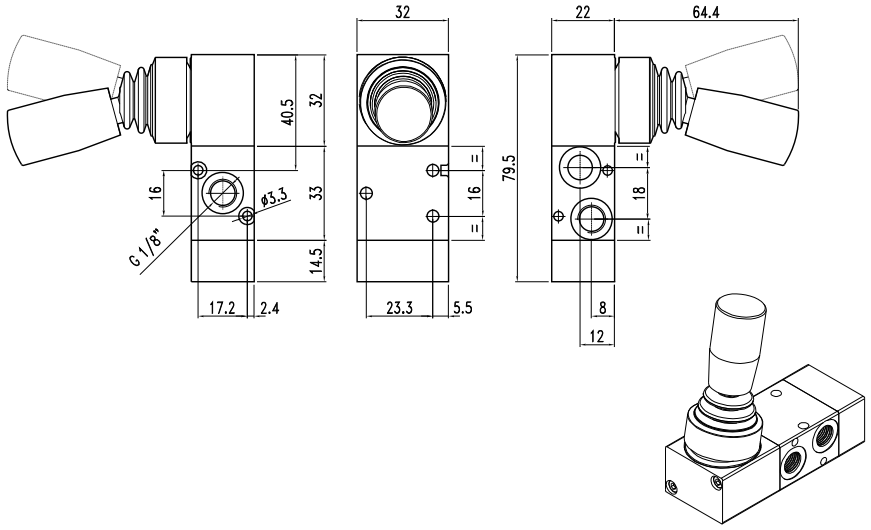
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / Fluide / Fluido	Lubricated or non lubricated air / Air lubrifié ou non / Aria con o senza lubrificazione
Temperature range / Température d'utilisation / Temperatura di esercizio	Max +60C°
Max operating pressure / Pression max d'utilisation / Pressione massima di esercizio	10 bar
Nominal orifice / Diamétre nominal / Diametro nominale	1/8: 5 mm - '1/4: 7,5mm
Flow rate 6 bar Δp 1bar / Débit a 6 bar Δp 1bar / Portata a 6 bar Δp 1bar	1/8=550 Nl/min. / 1/4=1100 Nl/min

FAST SELECT / SELECTION RAPIDE / SELEZIONE RAPIDA

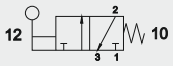
	90° lever monostable / Levier 90° monostable / Leva 90° monstabile			
	VM4010083201	3/2	1/8	NC / NF / NC
	VM4010083301	3/2	1/4	NC / NF / NC
	90° lever monostable / Levier 90° monostable / Leva 90° monstabile			
	VM4010085201	5/2	1/8	
	VM4010085301	5/2	1/4	
	90° lever bistable / Levier 90° bistable / Leva 90° bistabile			
	VM4010083202	3/2	1/8	
	VM4010083302	3/2	1/4	
	90° bistable lever / Levier 90° bistable / Leva 90 - bistabile			
	VM4010085202	5/2	1/8	
	VM4010085302	5/2	1/4	
	90° lever monostable / Levier 90° monostable / Leva 90° monostabile			
	VM4010086211	5/3	1/8	CC / CF / CC
	VM4010086311	5/3	1/4	CC / CF / CC
	90° lever monostable / Levier 90° monostable / Leva 90° monostabile			
	VM4010086221	5/3	1/8	CO / CO / CA
	VM4010086321	5/3	1/4	CO / CO / CA
	90° lever monostable / Levier 90° monostable / Leva 90° monostabile			
	VM4010086231	5/3	1/8	CP / CP / CP
	VM4010086331	5/3	1/4	CP / CP / CP
	90° lever 3 stable pos. / Levier 90° 3 pos stables / Leva 90° 3 pos. stabili			
	VM4010086212	5/3	1/8	CC / CF / CC
	VM4010086312	5/3	1/4	CC / CF / CC
	90° lever 3 stable pos. / Levier 90° 3 pos stables / Leva 90° 3 pos. stabili			
	VM4010086222	5/3	1/8	CO / CO / CA
	VM4010086322	5/3	1/4	CO / CO / CA
	90° lever 3 stable pos. / Levier 90° 3 pos stables / Leva 90° 3 pos. stabili			
	VM4010086232	5/3	1/8	CP / CP / CP
	VM4010086332	5/3	1/4	CP / CP / CP
	Push/pull monostable / Pousser tirer monostable / Tiretto monostabile			
	VM4010093201	3/2	1/8	NC / NF / NC
	VM4010093301	3/2	1/4	NC / NF / NC

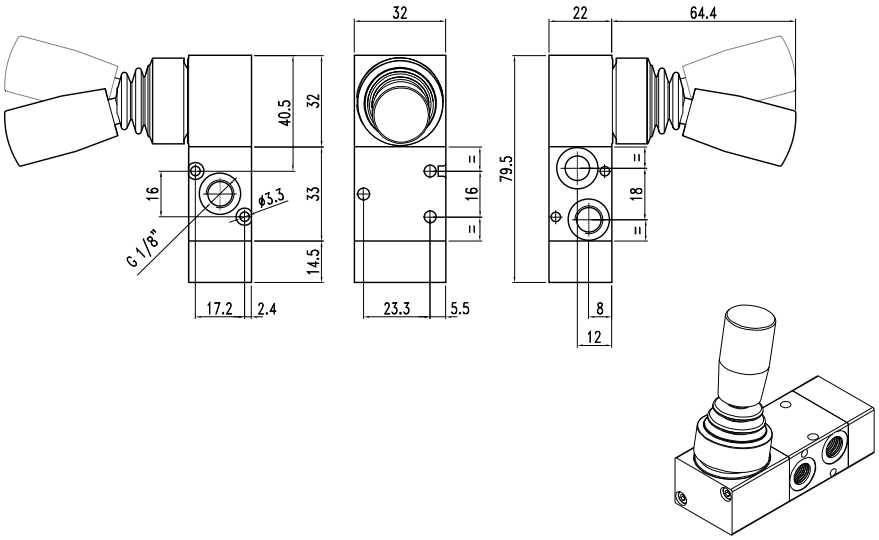
	°Push/pull monostable / Pousser tirer monostable / Tiretto monostabile			
	VM4010095201	5/2	1/8	
	VM4010095301	5/2	1/4	
	Push/pull bistable / Pousser tirer bistable / Tiretto bistable			
	VM4010093202	3/2	1/8	NC / NF / NC
	VM4010093302	3/2	1/4	NC / NF / NC
	Push/pull bistable / Pousser tirer bistable / Tiretto bistable			
	VM4010095202	5/2	1/8	
	VM4010095302	5/2	1/4	
	Top lever bistable / Levier bistable / Leva in testa bistabile			
	VM4010103202	3/2	1/8	
	VM4010103302	3/2	1/4	
	Top lever bistable / Levier bistable / Leva in testa bistabile			
	VM4010105202	5/2	1/8	
	VM4010105302	5/2	1/4	
	Adaptor monostable/ Bouton 90°monos./Adattatore 90°monos.			
	VM4012023201	3/2	1/8	NC / NF / NC
	Adaptor monostable/ Bouton 90°monos./Adattatore 90°monos.			
	VM4011023201	3/2	1/8	NO / NO / NA
	Adaptor monostable/Bouton monostable/Adattatore monostabile			
	VM4010025201	5/2	1/8	
	Adaptor monostable/ Bouton 90°monos./Adattatore 90°monos.			
	VM4012193201	3/2	1/8	NC / NF / NC
	Adaptor monostable/ Bouton 90°monos./Adattatore 90°monos.			
	VM4011193201	3/2	1/8	NO / NO / NA
	Adaptor monostable/ Bouton 90°monos./Adattatore 90°monos.			
	VM4010195201	5/2	1/8	



1/8 - 3/2 NC 90° lever monostable
1/8 - 3/2 NF levier 90° monostable
1/8 - 3/2 NC leva 90° monostabile

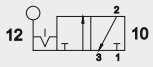
CODE: VM4010083201

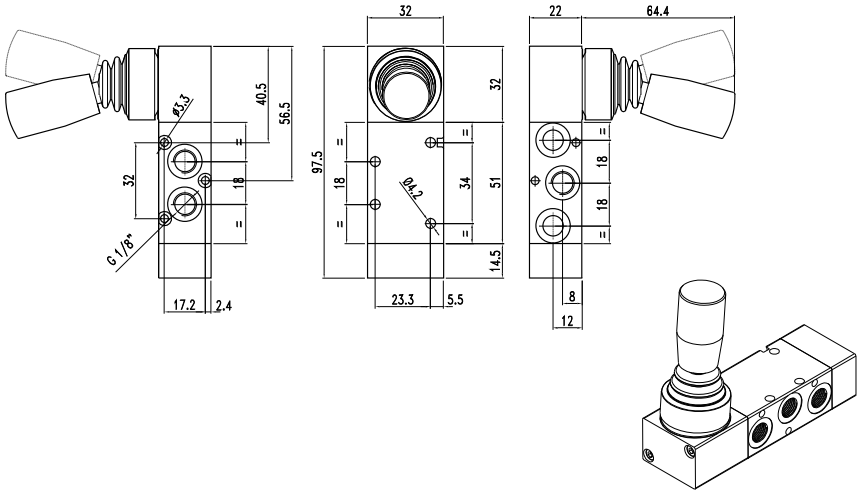




1/8 - 3/2 NC 90° lever bistable
1/8 - 3/2 NF levier 90° bistable
1/8 - 3/2 NC leva 90° bistabile

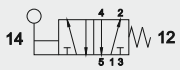
CODE: VM4010083202

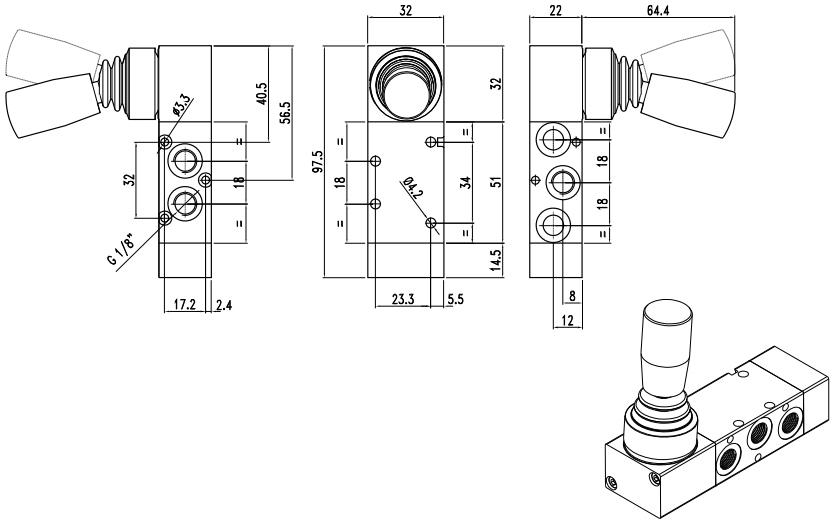




1/8 - 5/2 leva 90° monostable
1/8 - 5/2 levier 90° monostable
1/8 - 5/2 90° lever monostabile

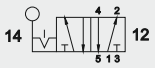
CODE: VM4010085201

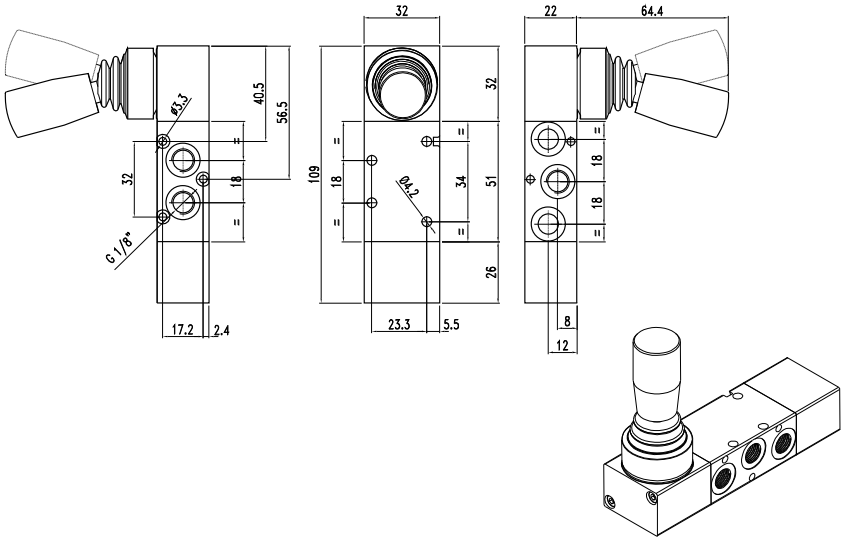




1/8 - 5/2 90° lever bistable
1/8 - 5/2 levier 90° bistable
1/8 - 5/2 leva 90° bistabile

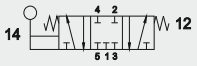
CODE: VM4010085202



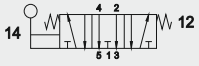


1/8 - 5/3 90° lever monostable
1/8 - 5/3 levier 90° monostable
1/8 - 5/3 leva 90° monostabile

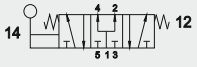
CODE: VM4010086211 CC / **CF** / CC

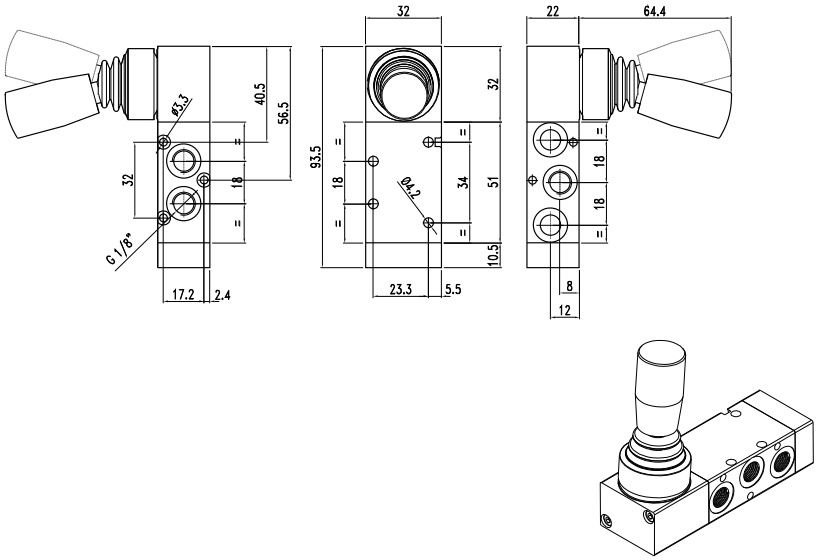


CODE: VM4010086221 CO / **CO** / CA



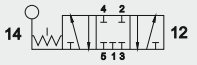
CODE: VM4010086231 CP / **CP** / CP



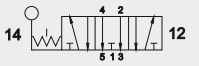


1/8 - 5/3 90° lever three positins stable
1/8 - 5/3 levier 90° trois positions stables
1/8 - 5/3 leva 90° tre posizioni stabili

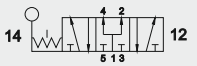
CODE: VM4010086212 CC / **CF** / CC

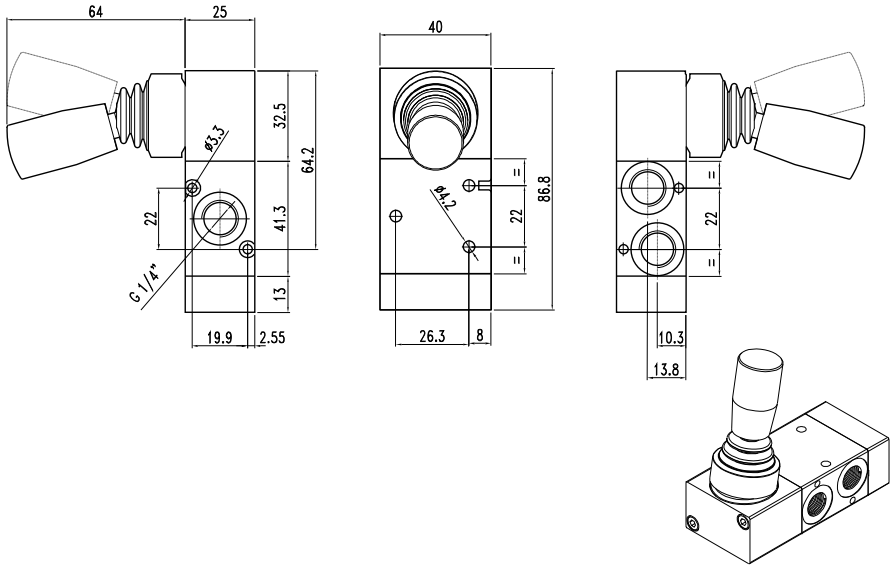


CODE: VM4010086222 CO / **CO** / CA



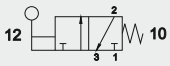
CODE: VM4010086232 CP / **CP** / CP

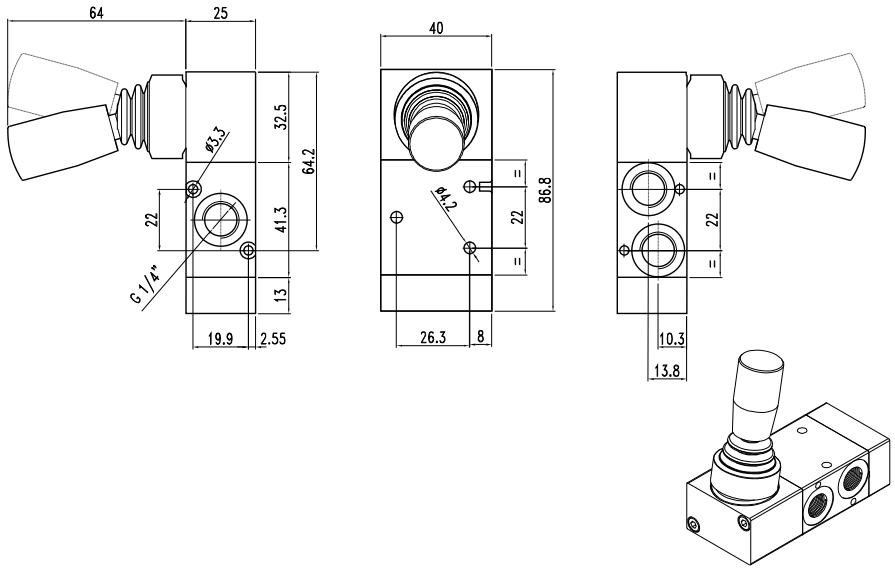




1/4 - 3/2 NC 90° lever monostable
1/4 - 3/2 NF levier 90° monostable
1/4 - 3/2 NC leva 90° monostabile

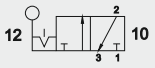
CODE: VM4010083301

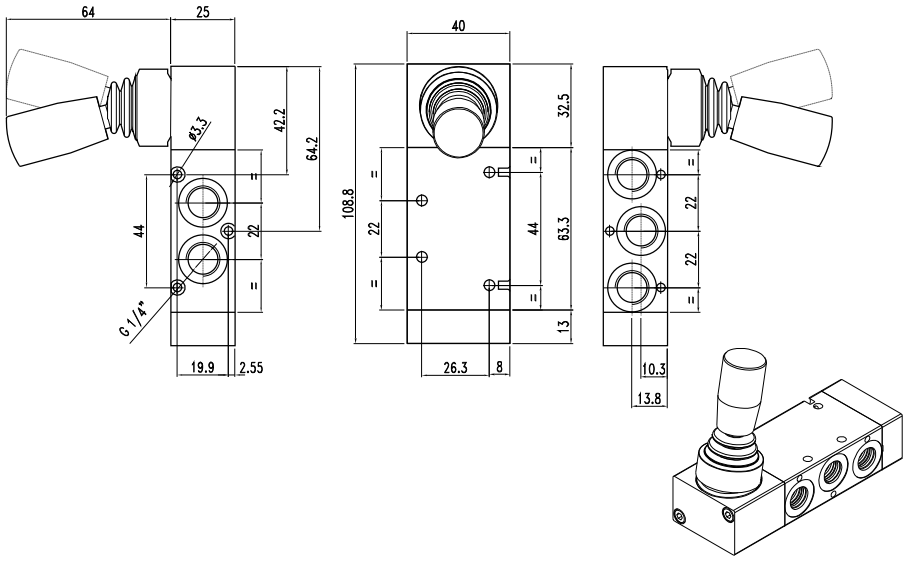




1/4 - 3/2 NC 90° lever bistable
1/4 - 3/2 NF levier 90° bistable
1/4 - 3/2 NC leva 90° bistable

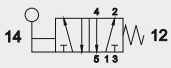
CODE: VM4010083302

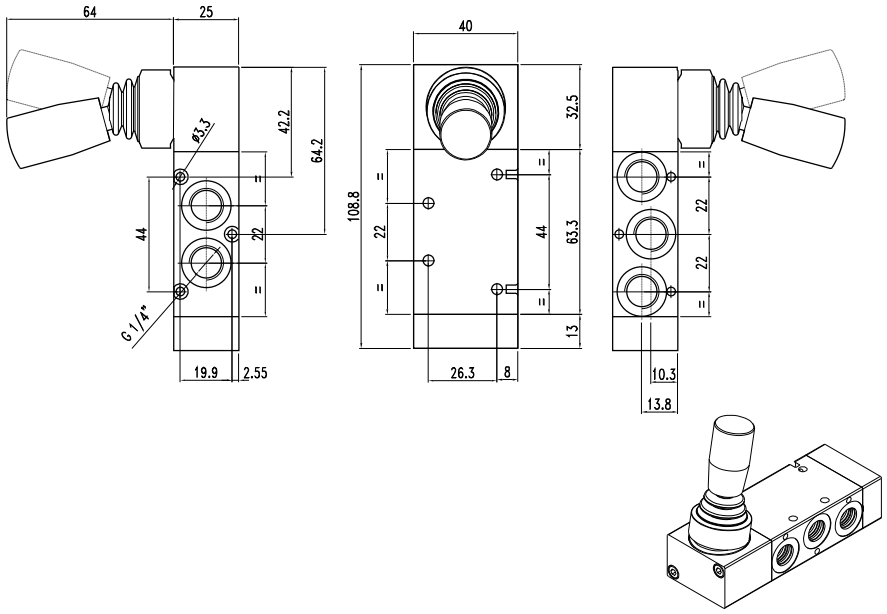




1/4 - 5/2 90° lever monostable
1/4 - 5/2 levier 90° monostable
1/4 - 5/2 leva 90° monostabile

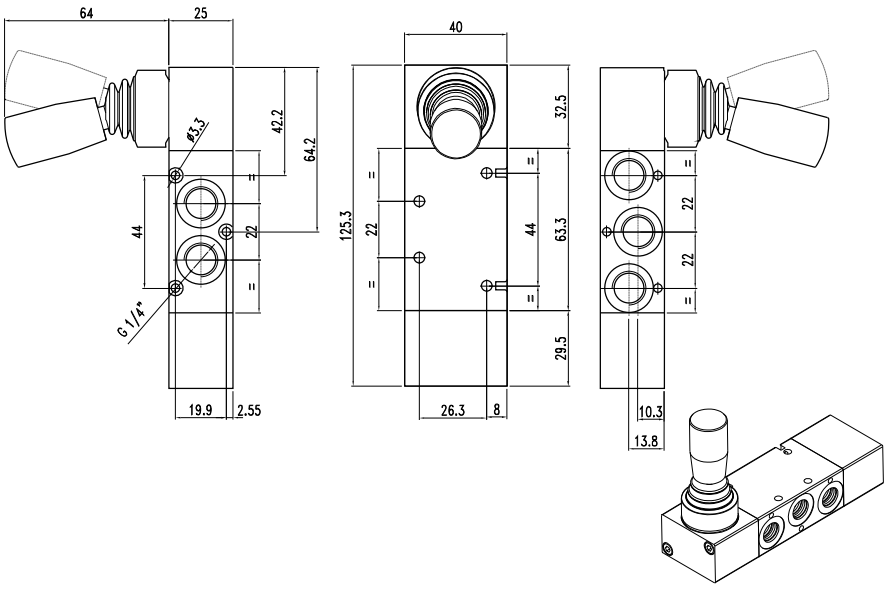
CODE: VM4010085301





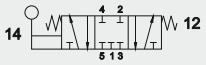
1/4 - 5/2 90° lever bistable
1/4 - 5/2 levier 90° bistable
1/4 - 5/2 leva 90° bistabile

CODE: VM4010085302

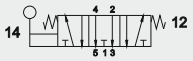


1/4 - 5/3 90° lever monostable
1/4 - 5/3 levier 90° monostable
1/4 - 5/3 leva 90° monostabile

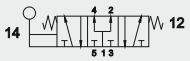
CODE: VM4010086311 CC / **CF** / CC

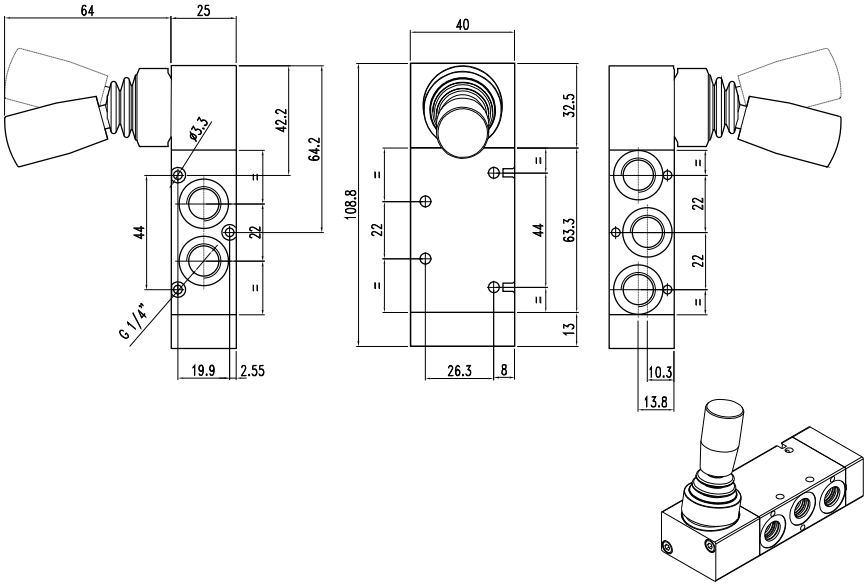


CODE: VM4010086321 CO / **CO** / CA



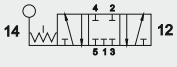
CODE: VM4010086331 CP / **CP** / CP





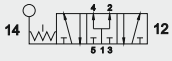
1/4 - 5/3 90° lever three stable positions
1/4 - 5/3 levier 90° trois positions stables
1/4 - 5/3 leva 90° tre posizioni stabili

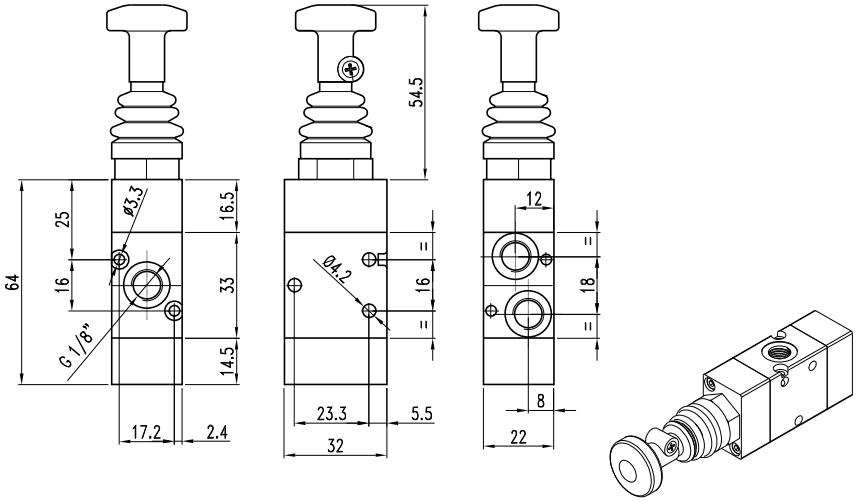
CODE: VM4010086312 CC / **CF** / CC



CODE: VM4010086322 CO / **CO** / CA

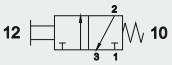
CODE: VM4010086332 CP / **CP** / CP

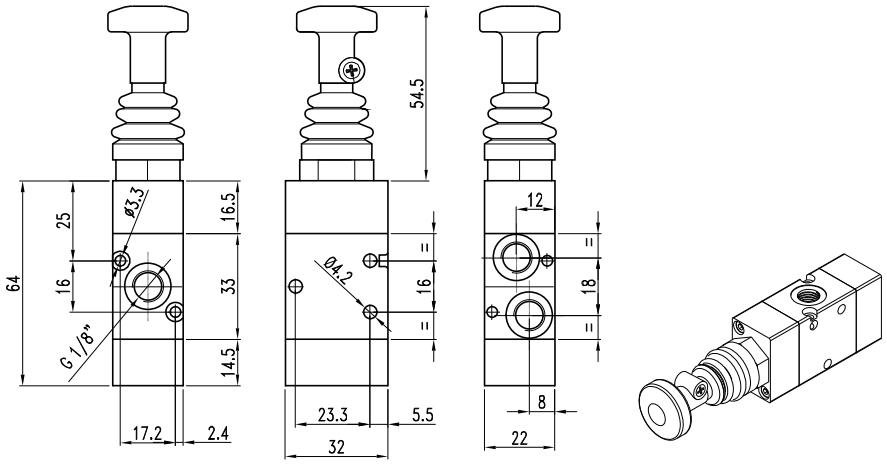




1/8 - 3/2 NC push/pull monostable
1/8 - 3/2 NF pousser tirer monostable
1/8 - 3/2 NC tiretto monostabile

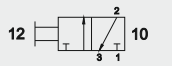
CODE: VM4010093201

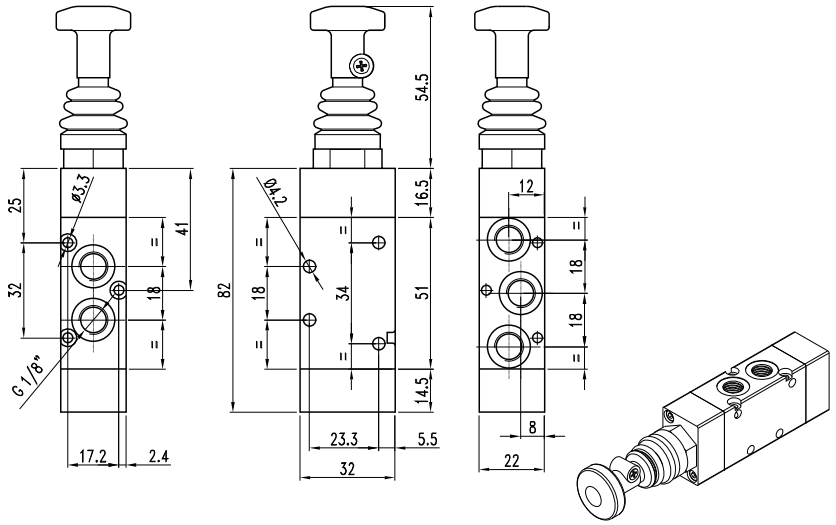




1/8 - 3/2 NC push/pull bistable
1/8 - 3/2 NF pousser tirer bistable
1/8 - 3/2 NC tiretto bistabile

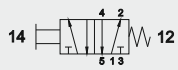
CODE: VM4010093202

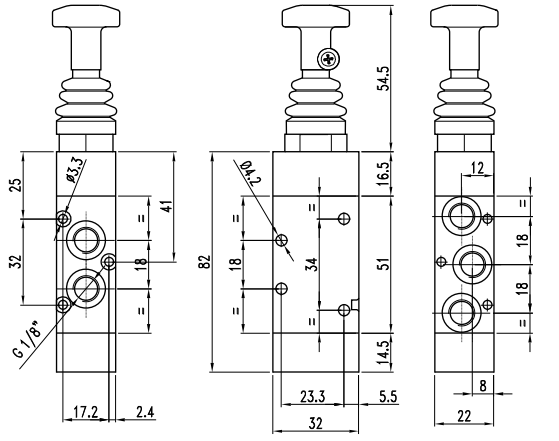


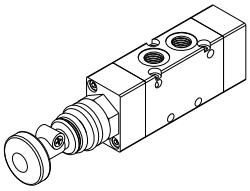


1/8 - 5/2 push/pull monostable
1/8 - 5/2 pousser tirer monostable
1/8 - 5/2 tiretto monostabile

CODE: VM4010095201

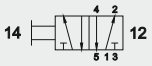


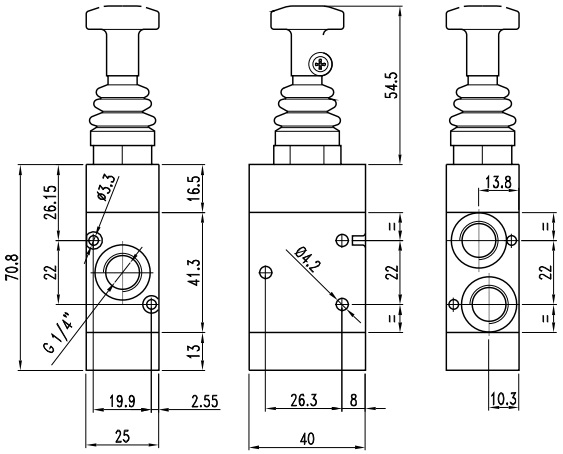


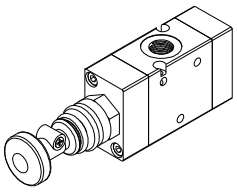


1/8 - 5/2 push/pull bistable
1/8 - 5/2 pousser tirer bistable
1/8 - 5/2 tiretto bistabile

CODE: VM4010095202

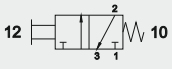


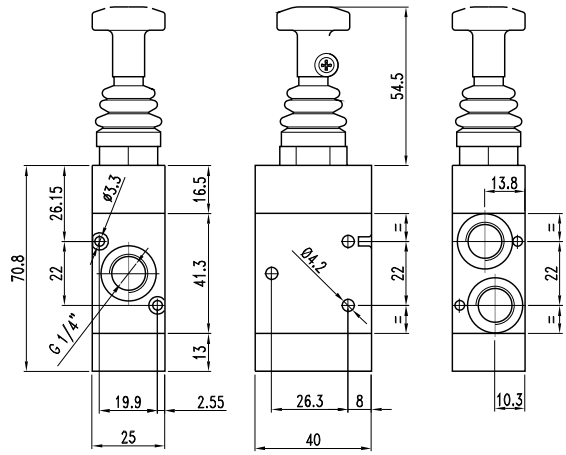


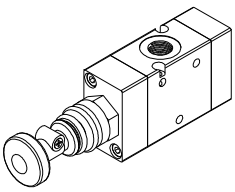


1/4 - 3/2 NC push/pull monostable
1/4 - 3/2 NF pousser tirer monostable
1/4 - 3/2 NC tiretto monostabile

CODE: VM4010093301

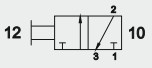


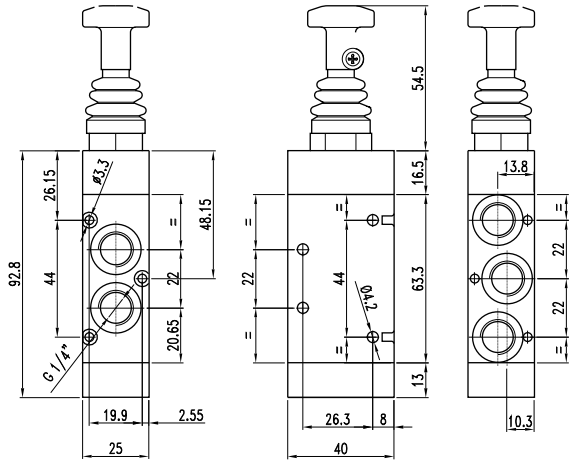


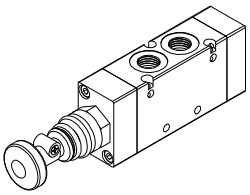


1/4 - 3/2 NC push/pull bistable
1/4 - 3/2 NF pousser tirer bistable
1/4 - 3/2 NC tiretto bistabile

CODE: VM4010093302

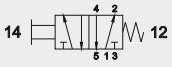


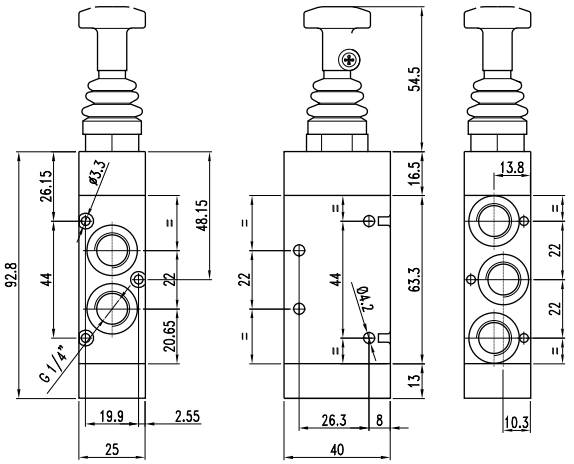


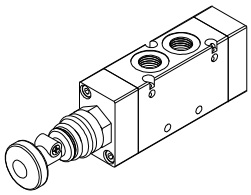


1/4 - 5/2 push/pull monostable
1/4 - 5/2 pousser tirer monostable
1/4 - 5/2 tiretto monostabile

CODE: VM4010095301

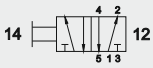


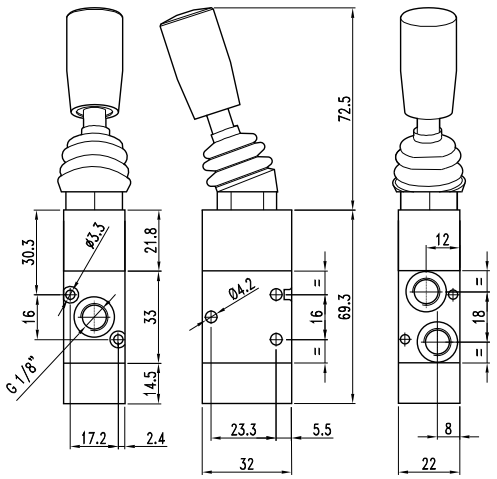


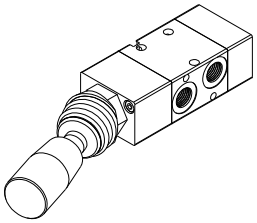


1/4 - 5/2 push/pull bistable
1/4 - 5/2 pousser tirer bistable
1/4 - 5/2 tiretto bistabile

CODE: VM4010095302

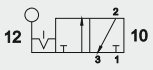


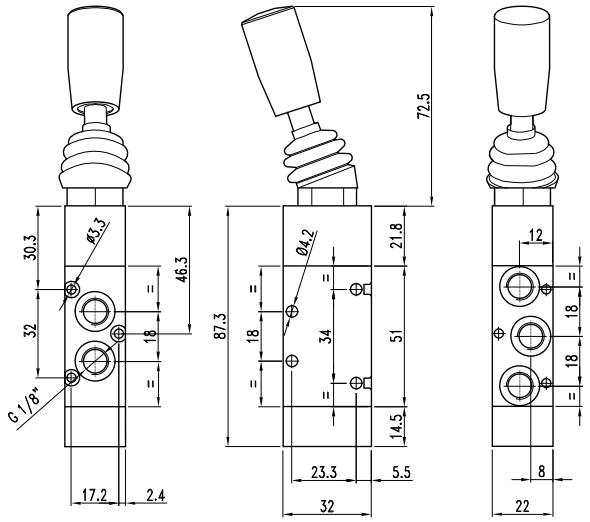


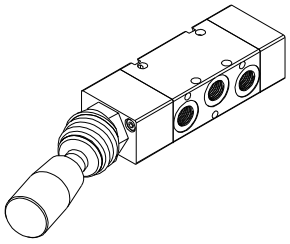


1/8 - 3/2 NC lever in top bistabile
1/8 - 3/2 NF levier bistable
1/8 - 3/2 NC leva in testa bistable

CODE: VM4010103202

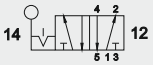


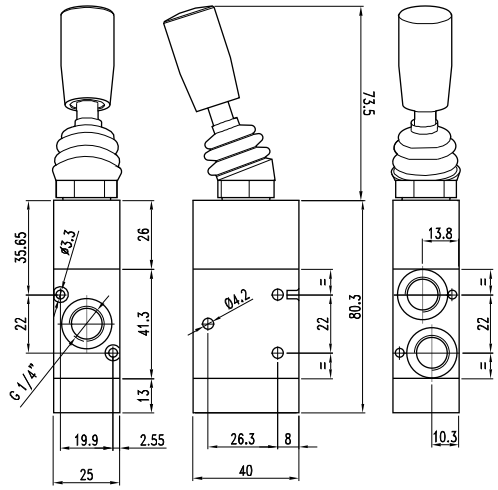


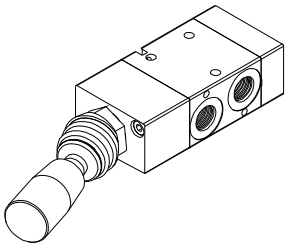


1/8 - 5/2 top lever bistable
1/8 - 5/2 levier bistable
1/8 - 5/2 leva in testa bistabile

CODE: VM4010105202

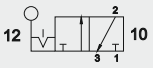


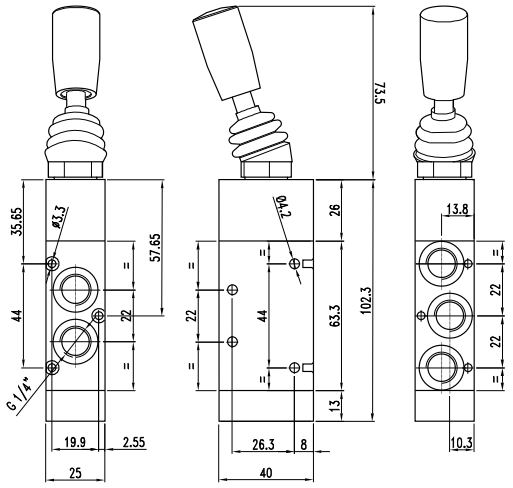


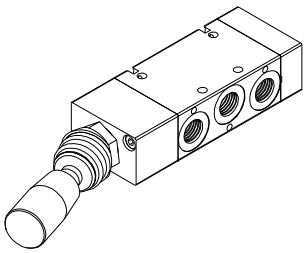


1/4 - 3/2 NC top lever bistable
1/4 - 3/2 NF levier bistable
1/4 - 3/2 NC leva in testa bistabile

CODE: VM4010103302

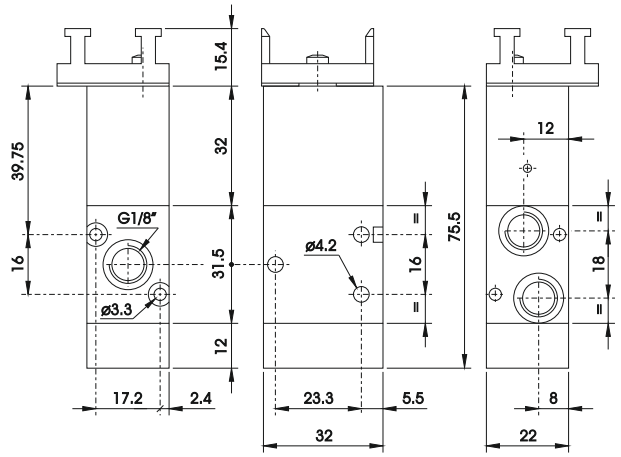


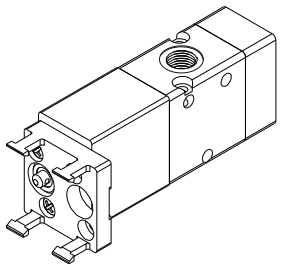




1/4 - 5/2 top lever bistable
1/4 - 5/2 levier bistable
1/4 - 5/2 leva in testa bistabile

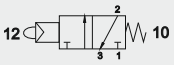
CODE: VM4010105302

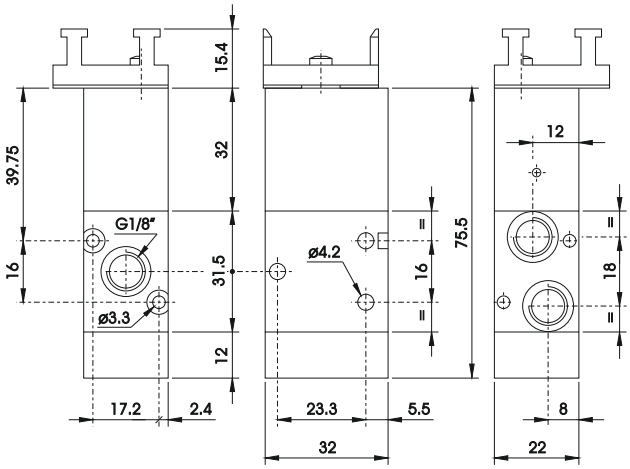


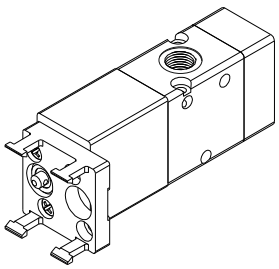


1/8 - 3/2 NC adaptor in top monostable
1/8 - 3/2 NF bouton monostable
1/8 - 3/2 NC adattatore in testa monostabile

CODE: VM4012023201

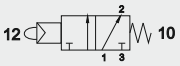


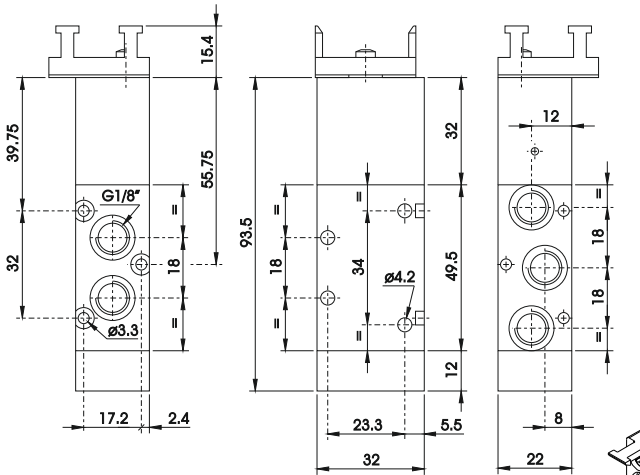


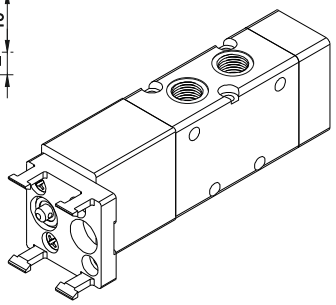


1/8 - 3/2 NO adaptor in top monostable
1/8 - 3/2 NO bouton monostable
1/8 - 3/2 NA adattatore in testa monostabile

CODE: VM4011023201

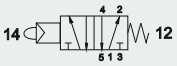


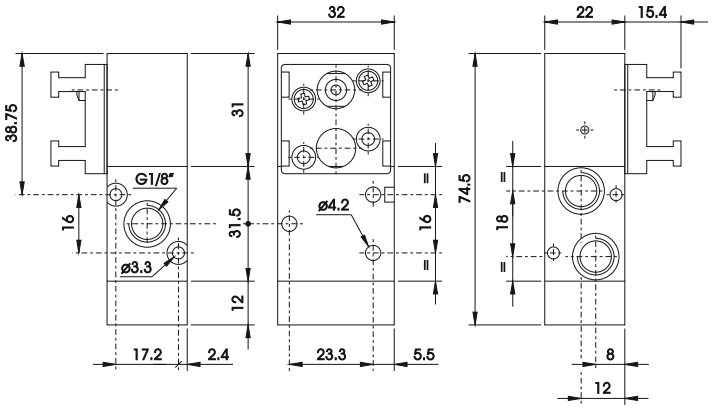


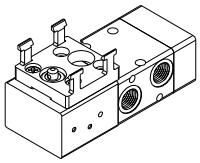


1/8 - 5/2 adaptor in top monostable
1/8 - 5/2 bouton monostable
1/8 - 5/2 adattatore in testa monostabile

CODE: VM4010025201

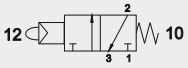


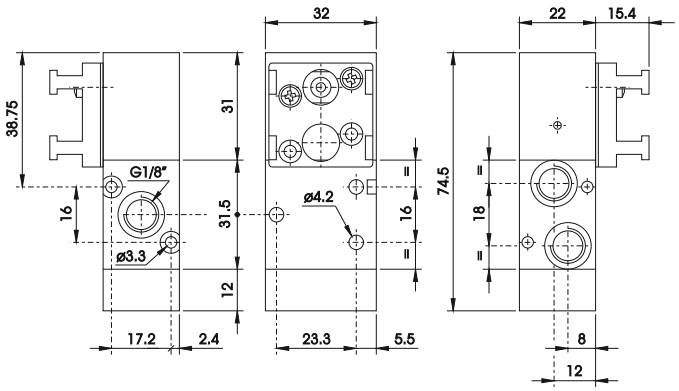


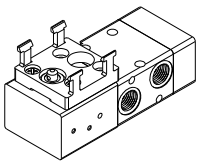


1/8 - 3/2 NC 90° adaptor monostable
1/8 - 3/2 NF bouton a 90° monostable
1/8 - 3/2 NC adattatore a 90° monostabile

CODE: VM4012193201

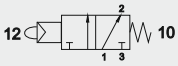


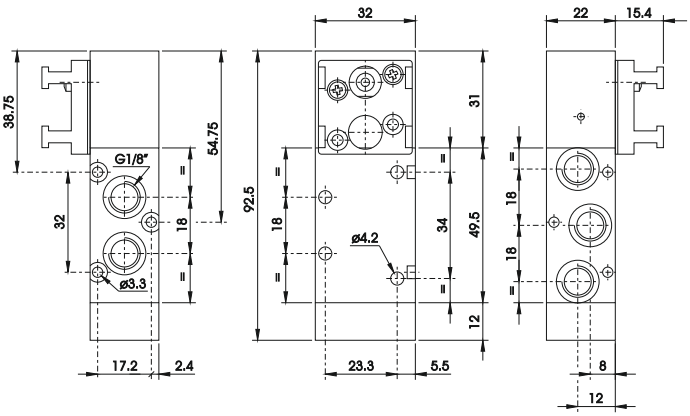


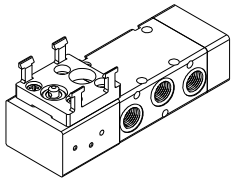


1/8 - 3/2 NO 90° adaptor monostable
1/8 - 3/2 NO bouton a 90° monostable
1/8 - 3/2 NA adattatore a 90° monostabile

CODE: VM4011193201

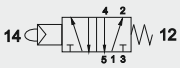


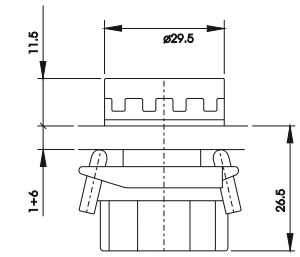


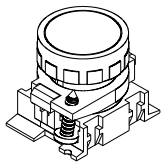


1/8 - 5/2 90° adaptor monostable
1/8 - 5/2 bouton a 90° monostable
1/8 - 5/2 adattatore a 90° monostabile

CODE: VM4010195201

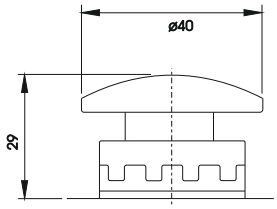


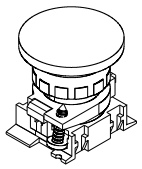




PROTECTED PUSH BUTTON
BOUTON POUSSOIR
PULSANTE PROTETTO

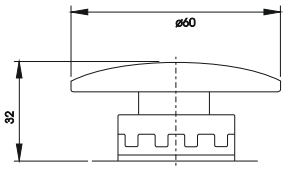
CODE: AP401

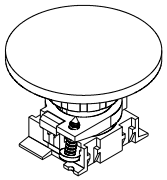




Ø40 MUSHROOM
CHAMPIGNON Ø40
FUNGO Ø40

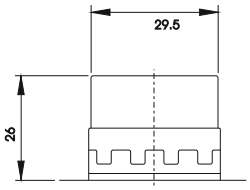
CODE: AP402 monostable / **monostable** / monostabile
CODE: AP402A turn to unlock / **tourner pour déverrouiller** / sblocco a rotazione

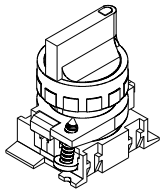




Ø60 PALM
POUSSE - TOURNE Ø60
FUNGO Ø60

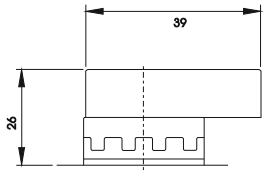
CODE: AP403 monostable / **monostable** / monostabile
CODE: AP403A turn to unlock / **tourner pour déverrouiller** / sblocco a rotazione

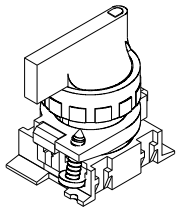




SHORT LEVER SELECTOR
BOUTON A LEVIER COURT
SELETTORE LEVA CORTA

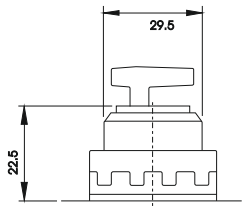
CODE: AP404 monostable / **monostable** / monostabile
CODE: AP404A bistable / **bistable** / bistabile

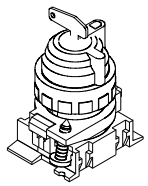




LONG LEVER SELECTOR
BOUTON A LEVIER LONG
SELETTORE LEVA LUNGA

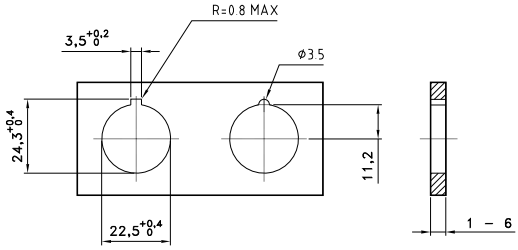
CODE: AP405 monostable / **monostable** / monostabile
CODE: AP405A bistable / **bistable** / bistabile





KEY SELECTOR
BOUTON A CLE
SELETTORE A CHIAVE

CODE: AP406 bistable / **bistable** / bistabile



PANEL MOUNTING HOLE
PERCAGE POUR MONTAGE SUR PANNEAU
FORO PER MONTAGGIO A PANNELLO

Mechanical operated Valves , entirely in aluminium to ensure strength and durability.
Available size is 1/8 and available functions are 3/2 and 5/2.

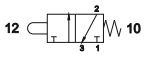
La gamme de valve à commande mécanique est entièrement en aluminium afin de garantir sa robustesse et sa fiabilité durant son utilisation.
Disponible en 1/8 et en fonction 3/2 et 5/2.

Valvole ad azionamento meccanico con costruzione interamente in alluminio per garantire robustezza e durata nel tempo.
Disponibili della taglia 1/8 e nelle funzioni 3/2 e 5/2.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

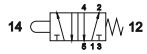
Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non** / Aria con o senza lubrificazione
Temperature range / **Température d'utilisation** / Temperatura di esercizio	Max +60C°
Max operating pressure / **Pression max d utilisation** / Pressione massima di esercizio	10 bar
Nominal orifice / **Diamétre nominal** / Diametro nominale	1/8: 5 mm
Flow rate 6 bar Δp 1bar / **Débit a 6 bar Δp 1bar** / Portata a 6 bar Δp 1bar	1/8=550 Nl/min.

FAST SELECT / SELECTION RAPIDA / SELEZIONE RAPIDA



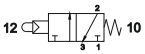
Tappet monostable / **Impulsion monostable** / Puntale monostabile

VM4012013201 3/2 1/8 NC / **NF** / NC



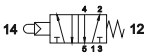
Tappet monostable / **Impulsion monostable** / Puntale monostabile

VM4010015201 5/2 1/8



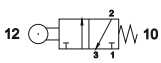
Servo-piloted tappet monostable / **Comm. a impulsion monostable**
Puntale servopilotato monostabile

VM4012113201 3/2 1/8 NC / **NF** / NC



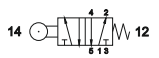
Servo-piloted tappet monostable / **Comm. a impulsion monostable**
Puntale servopilotato monostabile

VM4010115201 5/2 1/8



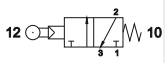
Roller lever monostable / **Levier a galet monostable** /
Leva rullo monostabile

VM4012033201 3/2 1/8 NC / **NF** / NC



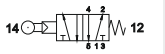
Roller lever monostable / **Levier a galet monostable**
Leva rullo monostabile

VM4010035201 5/2 1/8



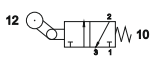
Servo-piloted roller lever monostable / **Levier a galet monostable**
Leva rullo servopilotata monostabile

VM4012183201 3/2 1/8 NC / **NF** / NC



Servo-piloted roller lever monostable / **Levier a galet monostable**
Leva rullo servopilotata monostabile

VM4010185201 5/2 1/8

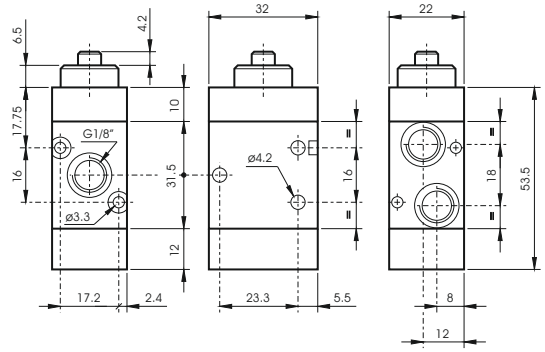


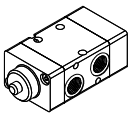
Uni-directional lever monostable / **Levier a galet escamotable monostable** / Leva unidirezionale monostabile

VM4012043201 3/2 1/8 NC / **NF** / NC

Uni-directional lever monostable / **Levier a galet escamotable monostable** / Leva unidirezionale monostabile

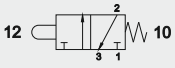
VM4010045201 5/2 1/8

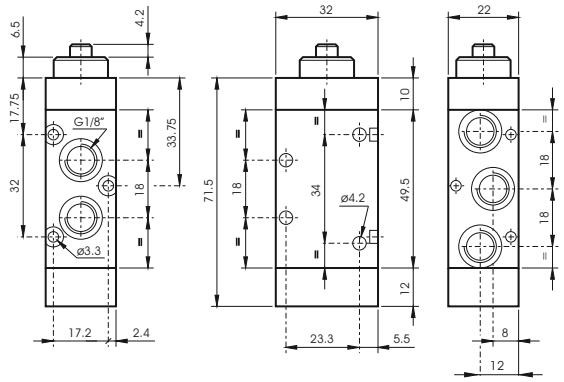


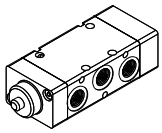


1/8 - 3/2 NC tappet monostable
1/8 - 3/2 NF impulsion monostable
1/8 - 3/2 NC puntale monostabile

CODE: VM4012013201

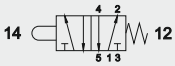


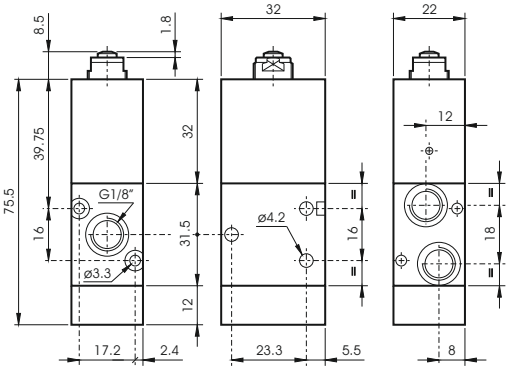


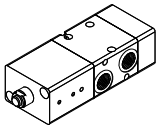


1/8 - 5/2 tappet monostable
1/8 - 5/2 impulsion monostable
1/8 - 5/2 puntale monostabile

CODE: VM4010015201

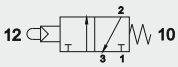


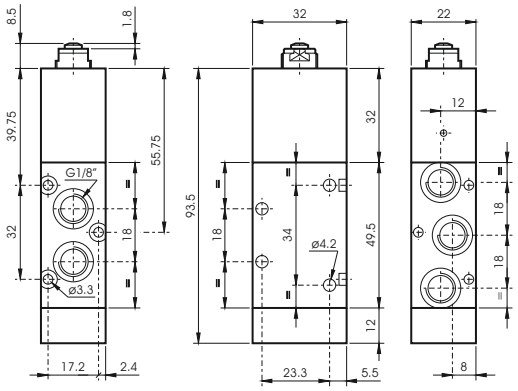


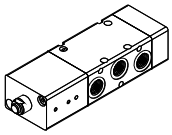


1/8 - 3/2 NC servopiloted tappet monostable
1/8 - 3/2 NF commande a impulsion monostable
1/8 - 3/2 NC puntale servopilotato monostabile

CODE: VM4012113201

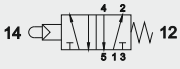


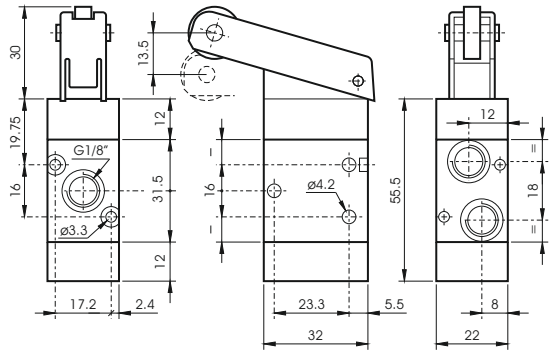


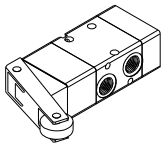


1/8 - 5/2 servo-piloted tappet monostable
1/8 - 5/2 commande par impulsion monostable
1/8 - 5/2 puntale servopilotato monostabile

CODE: VM4010115201

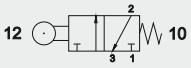


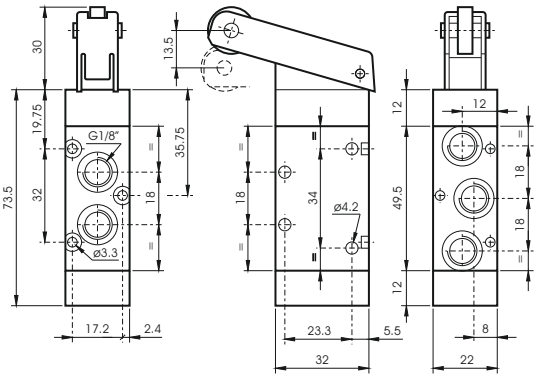


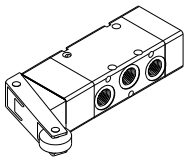


1/8 - 3/2 NC roller lever monostable
1/8 - 3/2 NF levier a galet monostable
1/8 - 3/2 NC leva rullo monostabile

CODE: VM4012033201

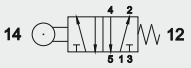


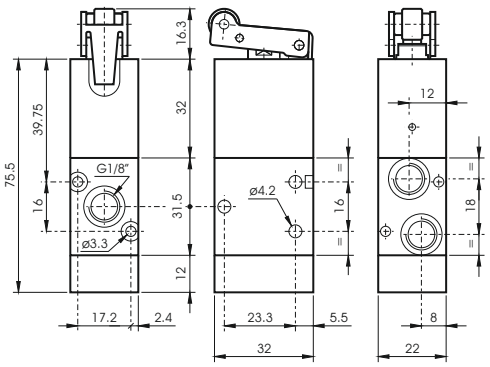


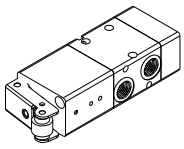


1/8 - 5/2 roller lever monostable
1/8 - 5/2 levier a galet monostable
1/8 - 5/2 leva rullo monostabile

CODE: VM4010035201

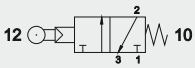


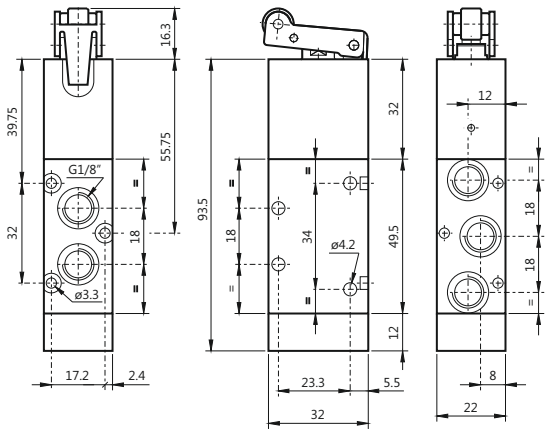


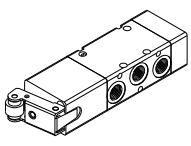


1/8 - 3/2 NC servo-piloted roller lever monostable
1/8 - 3/2 NF levier a galet a impulsion monostable
1/8 - 3/2 NC leva rullo servopilotato monostabile

CODE: VM4012183201

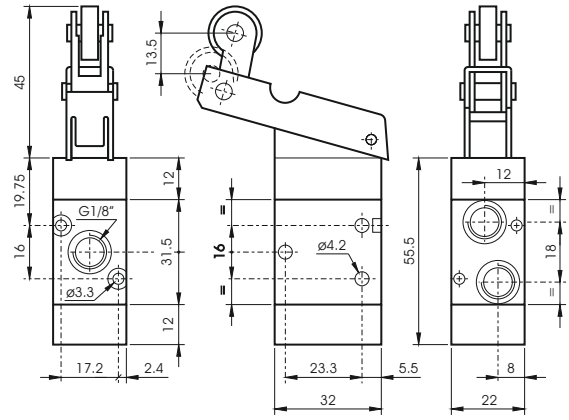


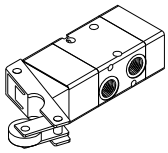




1/8 - 5/2 servo-piloted roller lever monostable
1/8 - 5/2 levier a galet a impulsion monostable
1/8 - 5/2 roller lever servopilotato monostabile

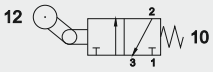
CODE: VM4010185201

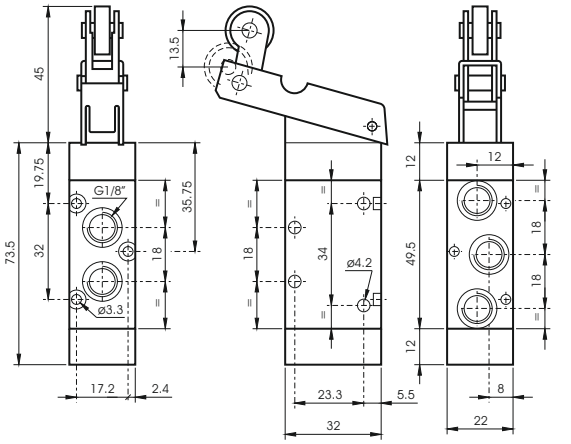


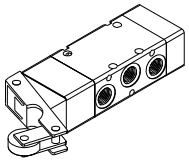


1/8 - 3/2 NC uni-directional lever monostable
1/8 - 3/2 NF levier a galet escamotable monostable
1/8 - 3/2 NC leva unidirezionale monostabile

CODE: VM4012043201

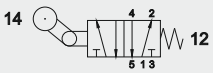






1/8 - 5/2 uni-directional lever monostable
1/8 - 5/2 levier a galet escamotable monostable
1/8 - 5/2 leva unidirezionale monostabile

CODE: VM4010045201



PEDAL VALVES
VALVES PÉDALES
VALVOLE A PEDALE

The pedal valves are available with protection or without protection , with or without lock.
Available functions are 3/2 and 5/2
The large base ensures stability during the use.

La série de valves à pédale est proposée avec ou sans capot de protection avec ou sans fermeture sécurisée , fonction 3/2 et 5/2.
La large base garantie une bonne stabilité durant l'utilisation.

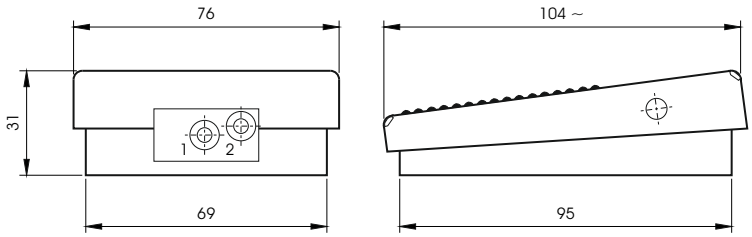
La serie di valvole a pedale, vengono proposte con: protezione o senza protezione, con fermo di sicurezza o senza e nelle funzioni 3/2 e 5/2.
L'ampia base d'appoggio, garantisce stabilità durante l'utilizzo.

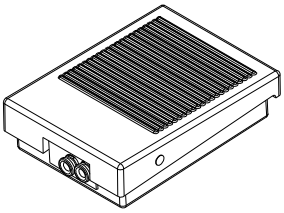
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non** / Aria con o senza lubrificazione
Temperature range / **Température d'utilisation** / Temperatura di esercizio	Max +60C°
Max operating pressure / **Pression max d utilisation** / Pressione massima di esercizio	10 bar
Nominal orifice / **Diamétre nominal** / Diametro nominale	1/4: 7,5mm

COMPONENTS / COMPOSANTS / COMPONENTI

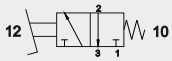
Protection cover / **Protection** / Protezione	Plastic / **Plastique** / Plastica /
Body / **Corps** / Corpo	Aluminium / **Aluminium** / Alluminio /
Spool / **Tiroir** / Spola	Nickel plated aluminium / **Aluminium nickele** / Alluminio nichelato
Seals / **Joints** / Guarnizioni	NBR
Spring / **Ressort** / Molla	Steel / **Inox** / Inox



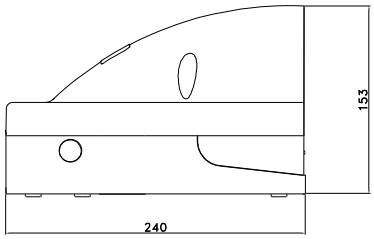


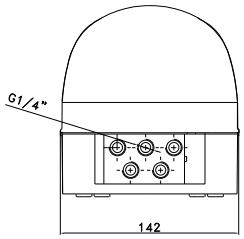
3/2 NC monostable
3/2 NF monostable
3/2 NC monostabile

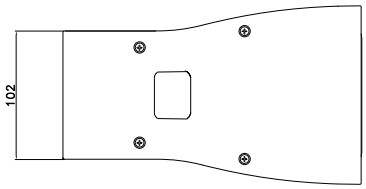
CODE: VP40200301

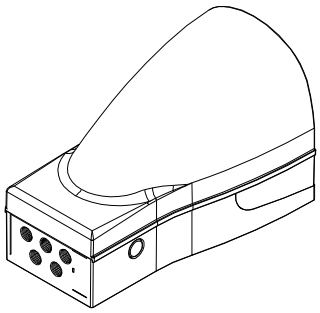


PEDAL VALVES
VALVES PÉDALES
VALVOLE A PEDALE



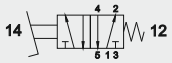




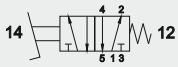


1/4 - 5/2 with protection cover
1/4 - 5/2 avec protection
1/4 - 5/2 con protezione

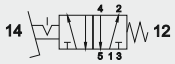
CODE: VP40010531 — mono-stable
monostable
monostabile

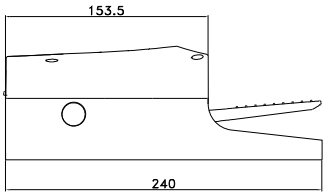


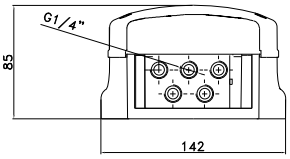
CODE: VP40011531 — with safety block
avec fermeture sécurisée
con fermo sicurezza

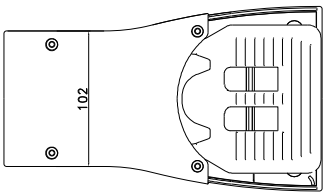


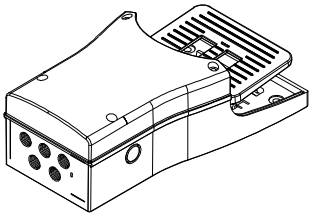
CODE: VP40010532 — bi-stable
bistable
bistabile





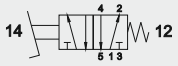




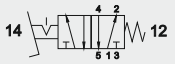


1/4 - 5/2 without protection cover
1/4 - 5/2 sans protection
1/4 - 5/2 senza protezione

CODE: VP40000531 — mono-stable
monostable
monostabile



CODE: VP40000532 — bi-stable
bistable
bistabile



FLOW REGULATORS
REGULATEUR DE DEBIT
REGOLATORI DI FLUSSO

The in line flow regulator has the function to regulate the speed of the pneumatic cylinders and they can be:
One-way: the regulation is in one way
Two-ways: the regulation is in two ways
The flow-regulator can be mounted on the panel/board

Le régulateur de débit en ligne a la fonction de régulation de la vitesse pour les vérins pneumatiques et il peut être :
Unidirectionnel : la régulation est dans un seul sens
Biderctionnel : la régulation va dans les deux sens
Il peut être monté sur panneau grâce à sa vis passe cloison

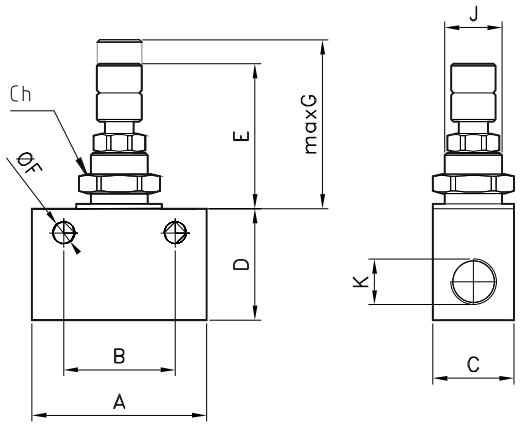
Il regolatore di flusso in linea ha la funzione di regolare la velocità di spostamento dei cilindri pneumatici e possono essere di due tipi:
Unidirezionali: significa che la regolazione del flusso dell'aria avviene solo in un senso.
Bidirezionale: la regolazione avviene nei due sensi.
I regolatori si possono montare a pannello.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non** / Aria con o senza lubrificazione
Pressure range / **Pression d'utilisation** / Pressione di esercizio	2 - 10bar
Temperature range / **Température d'utilisation** / Temperatura di esercizio	-10 c° - +80c°
Nominal flow rate at 6 bar / **Débit à 6 bar** / Portata a 6 bar	Uni-directional / **Unidirectionnel** / Unidirezionale: M5=130 Nl/min - 1/8=450 Nl/min - 1/4=600 Nl/min - 3/8=1100 Nl/min - 1/2=1400 Nl/min Bi-directional / / **Bidirectionnel** / Bidirezionale: M5=60 Nl/min - 1/8=210 Nl/min - 1/4=300 Nl/min - 3/8=500 Nl/min - 1/2=500 Nl/min

COMPONENTS / COMPOSANTS / COMPONENTI

Body / **Corps** / Corpo	Aluminium / **Aluminium** / Alluminio
Internal parts / **Partie interne** / Parti interne	Brass / **Laiton** / Ottone
Seals / **Joints** / Guarnizioni	NBR



Bi-directional
Bidirectionnel
Bidirezionale

CODE	K
RF4005100	M5
RF4005200	1/8
RF4005300	1/4
RF4005400	3/8
RF4005500	1/2

Uni-directional
Unidirectionnel
Unidirezionale

CODE	K
RF4004100	M5
RF4004200	1/8
RF4004300	1/4
RF4004400	3/8
RF4004500	1/2

K	A	B	C	D	E	F	G	Ch	J
M5	25	18	12	20	23	4.5	28	12	10X1
1/8	35	24	15	22	24	4.5	29.5	12	10X1
1/4	40	24	20	30	26	4.5	32.5	12	10X1
3/8	45	30	22	35	31	6	39.5	18	15X1
1/2	57	30	27	40	31	6	39.5	18	15X1

The selector valve can control two different inputs, choosing one or the other, but using only one way out.

Le sélecteur de circuit peut controler deux entrées différentes,en choisissant l'une ou l'autre, mais en utilisant l'une en sortie.

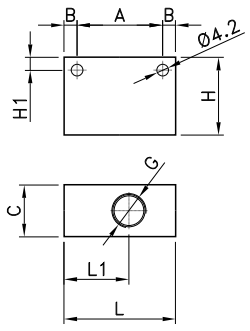
La valvola selettrice ha il compito di comandare due diversi ingressi selezionando uno o l'altro ma di utilizzare una sola uscita.

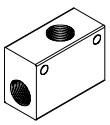
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / Fluide / Fluido	Lubricated or non lubricated air / Air lubrifié ou non / Aria con o senza lubricazione
Pressure range / Pression d'utilisation / Pressione di esercizio	2 - 10bar
Temperature range / Température d'utilisation / Temperatura di esercizio	-10 c° - +60c°
Nominal flow rate at 6 bar / Débit à 6 bar / Portata a 6 bar	1/8=400 Nl/min 1/4=1300 Nl/min

COMPONENTS / COMPOSANTS / COMPONENTI

Body / Corps / Corpo	Aluminium anodized / Aluminium anodisé / Alluminio anodizzato
Internal parts / Partie interne / Parti interne	Brass / Laiton / Ottone
Seals / Joints / Guarnizioni	NBR

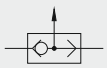




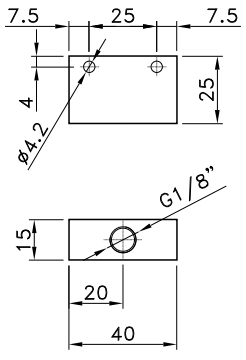
OR

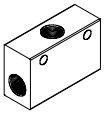
CODE:

VS0101	1/8
VS0201	1/4



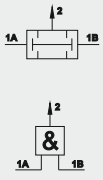
G	A	B	C	H	H1	L	L1
G1/8	20	4.5	15	25	4.5	34.8	14.5
G1/4	33	5	20	30	5	43	25





AND

CODE: VL22



NON RETURN VALVES
CLAPET ANTI RETOUR
VALVOLE DI NON RITORNO

This valve allows the transit of the air only in one way, the valve stops it in the opposite way.
They are available with male or female thread, in several dimensions.

Le clapet anti-retour permet le passage de l'air dans un seul sens et bloque le sens opposé.
Il est disponible fileté mâle, femelle ou en raccordement instantané et en diverses dimensions.

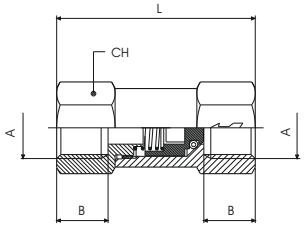
Questa valvola consenta il passaggio dell'aria solamente in un senso bloccandola nel senso opposto.
Sono disponibili con filetto maschio, femmina maschio/tubo o tubo/tubo in diverse dimensioni.

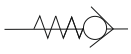
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / Fluide / Fluido	Lubricated or non lubricated air / Air lubrifié ou non / Aria con o senza lubricazione
Pressure range / Pression d'utilisation / Pressione di esercizio	2 - 8 bar
Temperature range / Température d'utilisation / Temperatura di esercizio	-20 c° - +80c°

COMPONENTS / COMPOSANTS / COMPONENTI

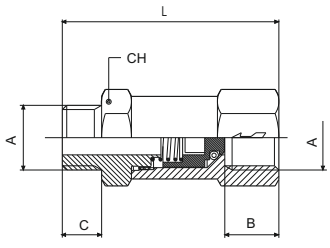
Body / Corps / Corpo	Nickel-plated brass / Laiton nickelé / Ottone nichelato
Spring / Ressort / Molla	Stainless steel / Acier inox / Acciaio inox
Shutter / Obturateur / Otturatore	Nickel-plated brass / Laiton nickelé / Ottone nichelato
Seals / Joints / Guarnizioni	NBR

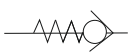




NON-RETURN VALVE FEMALE / FEMALE
CLAPET ANTI RETOUR FEMELLE / FEMELLE
VALVOLA DI NON RITORNO FEMMINA / FEMMINA

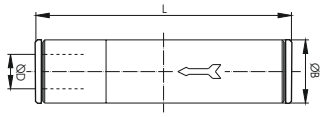
CODE	A	B	L	CH
VR40011	M5	5,5	26,5	8
VR40012	1/8	8,5	35,5	13
VR40013	1/4	11	43	17
VR40014	3/8	12	58	24
VR40015	1/2	15	63	24

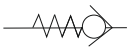




NON-RETURN VALVE MALE / FEMALE
CLAPET ANTI RETOUR MALE / FEMELLE
VALVOLA DI NON RITORNO MASCHIO / FEMMINA

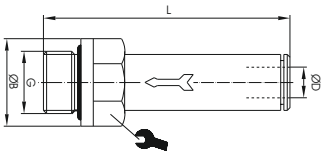
CODE	A	B	C	L	CH
VR40021	M5	5,5	4	34,5	8
VR40022	1/8	8,5	6	37,5	14
VR40023	1/4	11	8	46,6	17
VR40024	3/8	12	9	61	24
VR40025	1/2	15	10	64	24

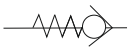




TUBE / TUBE NON-RETURN VALVE
CLAPET ANTI RETOUR TUBE / TUBE
VALVOLA DI NON RITORNO TUBO / TUBO

CODE	ØD	ØB	L
VR400504	4	9	44,5
VR400506	6	11	50
VR400508	8	13	53,5





MALE THREAD / TUBE NON-RETURN VALVE
CLAPET ANTI RETOUR MALE / TUBE
VALVOLA DI NON RITORNO FILETTO MASCHIO / TUBO

CODE	ØD	G	ØB	L	
VR4003104	4	M5	8	37	9
VR4003204	4	1/8	13	30	11
VR4003206	6	1/8	13	37,5	13
VR4003306	6	1/4	16	38	14
VR4003208	8	1/8	13	38	15
VR4003308	8	1/4	16	39	16
VR4003310	10	1/4	16	42,5	18
VR4003410	10	3/8	20	42,5	18
VR4003512	12	1/2	25	45	22
VR4003514	14	1/2	25	52,5	25

QUICK EXHAUST VALVES
VALVES A PURGE RAPIDE
VALVOLE A SCARICO RAPIDO

The quick exhaust valve allows to exhaust the air in the cylinder to increase the speed.
We suggest the mounting directly on the cylinder's supply.

La valve d'échappement rapide permet d'évacuer l'air présente dans la chambre du vérin afin d'augmenter la vitesse.
Sa consigne de montage est directement en sortie du vérin.

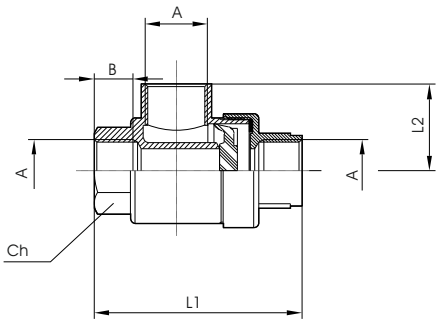
La valvola a scarico rapido permette di evacuare rapidamente l'aria presente nel cilindro per aumentarne la velocità.
Si consiglia il montaggio direttamente sulle alimentazioni del cilindro.

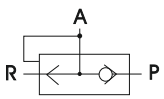
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / Fluide / Fluido	Lubricated or non lubricated air / Air lubrifié ou non / Aria con o senza lubricazione
Pressure range / Pression d'utilisation / Pressione di esercizio	1 - 10bar
Temperature range / Température d'utilisation / Temperatura di esercizio	-10 c° - +70c°

COMPONENTS / COMPOSANTS / COMPONENTI

Body / Corps / Corpo	Nickel-plated brass / Laiton nickelé / Ottone nichelato
Cover / Couvercle / Coperchio	Nickel-plated brass / Laiton nickelé / Ottone nichelato
Seals / Joints / Guarnizioni	NBR





CODE	A	B	L1	L2	CH
VR40061	M5	4	25	10	17
VR40062	1/8	8,5	42	19,5	15
VR40063	1/4	11	54	25	19
VR40064	3/8	12	60,5	26,5	22
VR40065	1/2	15	72	32	26

STOP VALVES
VALVE DE BLOQUAGE
VALVOLE DI BLOCCO

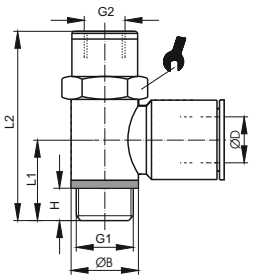
The stop valves is a pneumatic device that locks the cylinder's stroke in case of loss of pressure in the system. The valves are mounted directly on the cylinder's supply and do not interfere with the functioning of the cylinder.

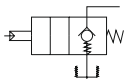
La valve de bloquage est un dispositif pneumatique qui bloque la course du vérin en cas de perte de pression. Elle est montée directement sur l'alimentation et ne peut interférer dans le fonctionnement normal du vérin.

Le valvole di blocco sono dispositivi pneumatici che garantiscono il bloccaggio della corsa del cilindro in caso di caduta di pressione dell'impianto.
Vengono montati direttamente sulle alimentazioni del cilindro e non interferiscono sul normale funzionamento del cilindro stesso.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

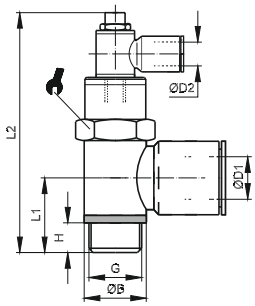
Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non** / Aria con o senza lubricazione
Pressure range / **Pression d'utilisation** / Pressione di esercizio	1 - 10bar
Temperature range / **Température d'utilisation** / Temperatura di esercizio	-10 c° - +70c°
Thread / **Filetage** / Filetti	1/8 - 1/4 - 3/8 - 1/2
Tube / **Tube** / Tubo	4mm - 6mm - 8mm - 10mm - 12mm

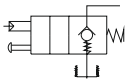




STOP VALVE
VALVE DE BLOQUAGE
VALVOLA DI BLOCCO

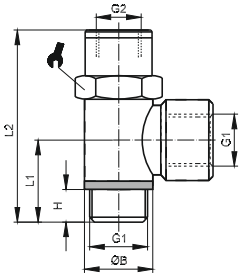
CODE	ØD	G1	ØB	G2	H	L1	L2	CH
VO0204	4	1/8	14	M5	6	15,5	42	13
VO0206	6	1/8	14	M5	6	15,5	42	13
VO0306	6	1/4	18	M5	8	18,5	47	17
VO0208	8	1/8	14	M5	6	15,5	42	13
VO0308	8	1/4	18	M5	8	18,5	47	17
VO0408	8	3/8	21	1/8	9	21	53,5	20
VO0310	10	1/4	18	M5	8	18,5	47	17
VO0410	10	3/8	21	1/8	9	21	53,5	20
VO0312	12	1/4	18	M5	8	18,5	47	17
VO0412	12	3/8	21	1/8	9	21	53,5	20

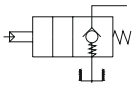




STOP VALVE WITH PNEUMATIC CONTROL
VALVE DE BLOQUAGE A COMMANDE PNEUMATIQUE
VALVOLA DI BLOCCO CON COMANDO PNEUMATICO

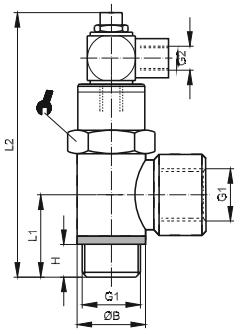
CODE	ØD1	G	ØB	ØD1	H	L1	L2	CH
VO2204	4	1/8	14	4	6	15,5	62	13
VO2206	6	1/8	14	4	6	15,5	62	13
VO2306	6	1/4	18	4	8	18,5	67	17
VO2208	8	1/8	14	4	6	15,5	62	13
VO2308	8	1/4	18	4	8	18,5	67	17
VO2408	8	3/8	21	6	9	21	76,5	20
VO2310	10	1/4	18	4	8	18,5	67	17
VO2410	10	3/8	21	6	9	21	76,5	20
VO2312	12	1/4	18	4	8	18,5	67	17
VO2412	12	3/8	21	6	9	21	76,5	20

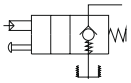




FEMALE STOP VALVE
VALVE DE BLOQUAGE TARAUDEE
VALVOLA DI BLOCCO FEMMINA

CODE	G1	ØB	G2	H	L1	L2	CH
VO02	1/8	15	M5	6	15,5	42	13
VO03	1/4	18	M5	8	18,5	47	17
VO04	3/8	22	1/8	9	21	53,5	20
VO05	1/2	27	1/8	10	24,5	60	25





FEMALE STOP VALVE WITH PNEUMATIC CONTROL
VALVE DE BLOQUAGE TARAUDEE AVEC COMMANDE PNEUMATIQUE
VALVOLA DI BLOCCO FEMMINA CON COMANDO PNEUMATICO

CODE	G1	ØB	G2	H	L1	L2	CH
VO22	1/8	15	M5	6	15,5	62	13
VO23	1/4	18	M5	8	18,5	67	17
VO24	3/8	22	1/8	9	21	76,5	20
VO25	1/2	27	1/8	10	24,5	83	25

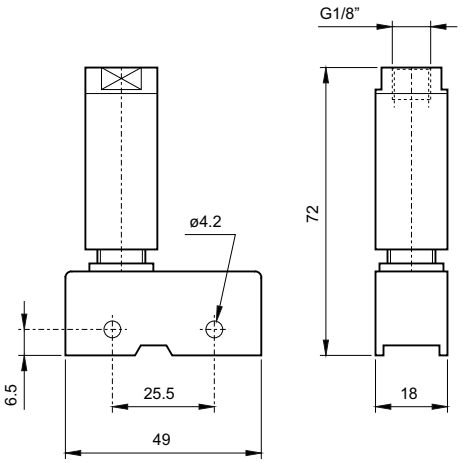
The pneumo.electric transducer allows to change the signal from pneumatic into electric.

Le transducteur pneumo électrique permet de transformer un signal pneumatique en un signal électrique.

Il trasduttore pneumo-elettrico permette di trasformare un segnale pneumatico in un segnale elettrico.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / **Fluide** / Fluido	Lubricated or non lubricated air / **Air lubrifié ou non** / Aria con o senza lubricazione
Pressure range / **Pression d'utilisation** / Pressione di esercizio	1 - 10bar
Temperature range / **Température d'utilisation** / Temperatura di esercizio	-10 c° - +60c°
Max frequency / **Fréquence max** / Frequenza massima	Cicles/hour / **6000 Cycles** / 6000 Cicli/ora
IP degree / **Grade isolation IP** / Grado di isolamento IP	IP 40
Rated isolation voltage / **Tension d'isolation** / Tensione di isolamento	250 V
Rated thermal current / **Courant nominal thérmique** / Corrente nominale termica	16 A
Fuse / **Fusible** / Fusibile	16 A



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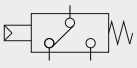


SLIDE VALVE
VALVES COULISSANTES
VALVOLA A CORSOIO

The slide valves with switch on/off, allow the exhaust of the air (position off).

La valve coulissante avec son contact ouverture fermeture (ON / OFF) permet de purger l'air durant la commutation en position fermée (OFF).

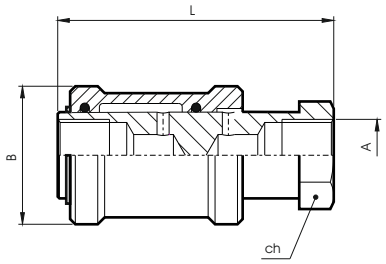
Le valvole a corsoio sono vere e proprie valvole di intercettazione on/off che consentono lo scarico dell'aria dall'impianto durante la commutazione in off.

TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Fluid / Fluide / Fluido	Lubricated or non lubricated air / Air lubrifié ou non / Aria con o senza lubricazione
Pressure range / Pression d'utilisation / Pressione di esercizio	0,3 - 10bar
Temperature range / Température d'utilisation / Temperatura di esercizio	-18 c° - +70c°

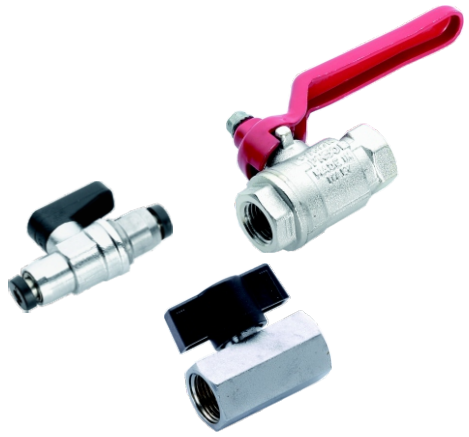
COMPONENTS / COMPOSANTS / COMPONENTI

Slide / Coulisseau / Corsoio	Aluminium / Aluminium / Alluminio
Rod / Tige / Stelo	Nickel-plated brass / Laiton nickelé / Ottone nichelato
Seals / Joints / Guarnizione	NBR



CODE	A	B	L	CH
VR40032	1/8	25	48	14
VR40033	1/4	30	58	17
VR40034	3/8	35	70	22
VR40035	1/2	40	80	26

BALL VALVES
ROBINETS A BOISSEAU SPHERIQUE
RUBINETTI A SFERA



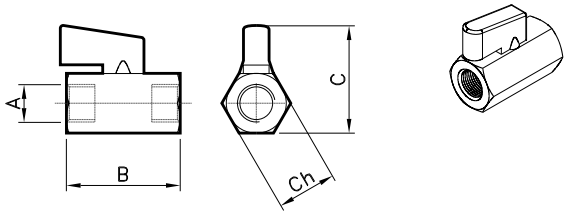
They are ON / OFF valves for various application areas: air, water and hydraulic circuits, and 'also possible the use for tire vacuum.

Sont vannes ON / OFF pour différents application: air, eau et circuits hydrauliques, et également possible l'utilisation pour le vide pneumatique.

Sono valvole ON/OFF per vari campi di applicazione: Aria, acqua e circuiti oleodinamici, e' anche possibile l'utilizzo per vuoto pneumatico.

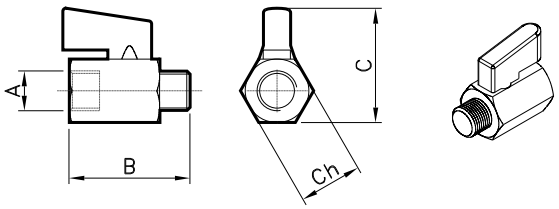
TECHNICAL DATA / DONNEES TECHNIQUES / DATI TECNICI

Pressure range / Pression d'utilisation / Pressione di esercizio	1 -10bar
Temperature range / Température d'utilisation / Temperatura di esercizio	-10C° +60C°
Body valve / Corps valve / Corpo valvola	Brass / Laiton / Ottone
Ball / Balle / Sfera	Brass / Laiton / Ottone
Lever / Levier / Leva	PA66
Ball seals /Joint balle / Guarnizioni sfera	PTFE
thread / Filet / Filettatura	DIN EN ISO 228



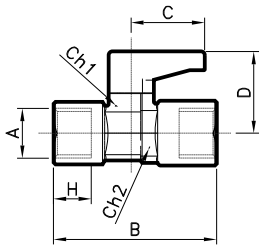
MINI BALL VALVE FEMALE / FEMALE PARALLEL
MINI ROBINET FEMELLE / FEMELLE CYLINDRIQUE
RUBINETTO A SFERA FEMMINA / FEMMINA CILINDRICO

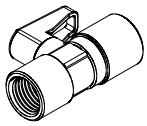
CODE	A	B	C	Ch	DN
VR40042	1/8	39	38	21	6
VR40043	1/4	40	38	21	8
VR40044	3/8	42	38	21	8
VR40045	1/2	48	42	25	10



MINI BALL VALVE MALE / FEMALE PARALLEL
MINI ROBINET MALE / FEMELLE CYLINDRIQUE
RUBINETTO A SFERA MASCHIO / FEMMINA CILINDRICO

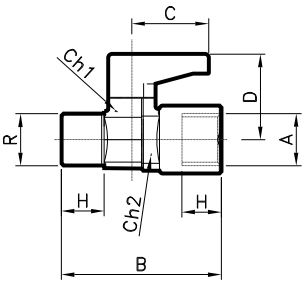
CODE	A	B	C	Ch	DN
VR40052	1/8	39	38	21	6
VR40053	1/4	39	38	21	8
VR40054	3/8	40	38	21	8
VR40055	1/2	46	42	25	10

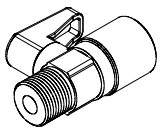




MINI BALL VALVE FEMALE / FEMALE PARALLEL
MINI ROBINET FEMELLE / FEMELLE CYLINDRIQUE
RUBINETTO A SFERA FEMMINA / FEMMINA CILINDRICO

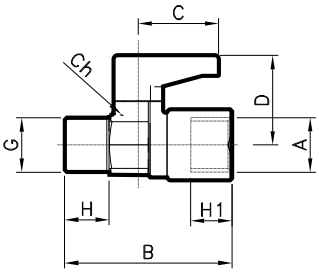
CODE	A	B	C	D	H	Ch1	Ch2	DN
BV0102	G1/8	36,5	19	21,5	8	14	14	5,5
BV0103	G1/4	43,1	19	21,5	11	14	14	5,5
BV0104	G3/8	48	19	22,5	11,5	18	18	7
BV0105	G1/2	59	25	32	16	22	22	10
BV0106	G3/4	67	26	33	16,3	28	30	14

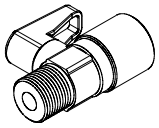




MINI BALL VALVE MALE CONIC / FEMALE PARALLEL
MINI ROBINET MALE CONIQUE / FEMELLE CYLINDRIQUE
RUBINETTO A SFERA MASCHIO CONICO / FEMMINA CILINDRICO

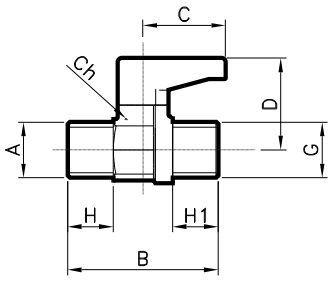
CODE	A	B	C	D	H	Ch1	Ch2	R	DN
BV0202	G1/8	35,5	19	21,5	8	14	14	R1/8	5,5
BV0203	G1/4	40,5	19	21,5	11	14	14	R1/4	5,5
BV0204	G3/8	46	19	22	11,4	18	19	R3/8	8
BV0205	G1/2	58	25	32	17	22	22	R1/2	10
BV0206	G3/4	63	26	33	16,3	28	30	R3/4	14

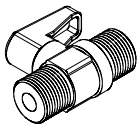




MINI BALL VALVE MALE / FEMALE PARALLEL
MINI ROBINET MALE / FEMELLE CYLINDRIQUE
RUBINETTO A SFERA MASCHIO / FEMMINA CILINDRICO

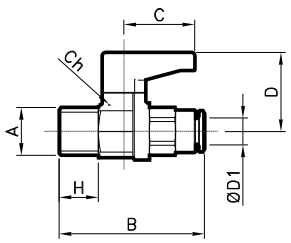
CODE	A	B	C	D	G	H	H1	Ch	DN
BV0302	G1/8	34,5	19	21,5	G1/8	7	8	14	5,5
BV030302	G1/8	35,5	19	21,5	G1/4	8	8	14	5,5
BV0303	G1/4	37,5	19	21,5	G1/4	8	11	14	5,5
BV030403	G1/4	38,5	19	21,5	G3/8	9	11	14	5,5

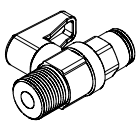




MINI BALL VALVE MALE / MALE PARALLEL
MINI ROBINET MALE /MALE CYLINDRIQUE
RUBINETTO A SFERA MASCHIO / MASCHIO CILINDRICO

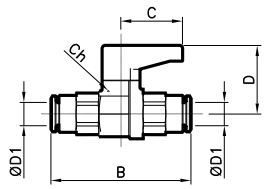
CODE	A	B	C	D	G	H	H1	Ch	DN
BV0402	G1/8	32	19	21,5	G1/8	7	7	14	5,5
BV040203	G1/8	32,5	19	21,5	G1/4	7	8	14	5,5
BV0403	G1/4	33,5	19	21,5	G1/4	8	8	14	5,5
BV040403	G3/8	34,5	19	21,5	G1/4	9	8	14	5,5

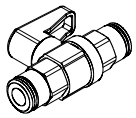




MINI BALL VALVE MALE CONIC PUCH-IN
MINI ROBINET MÂLE CONIQUE ET RACCORD AUTOMATIQUE
RUBINETTO A SFERA MASCHIO CONICO E ATTACCO AUTOMATICO

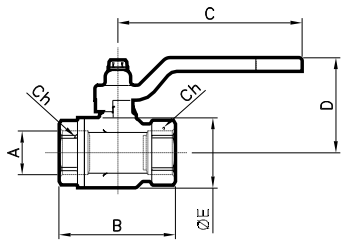
CODE	A	B	C	D	ØD1	H	Ch	DN
BV050204	R1/8	41	19	21,5	4	8,5	14	5,5
BV050304	R1/4	44	19	21,5	4	11,5	14	5,5
BV050206	R1/8	41	19	21,5	6	8,5	14	5,5
BV050306	R1/4	44	19	21,5	6	11,5	14	5,5
BV050406	R3/8	45	19	21,5	6	12	14	5,5
BV050308	R1/4	48	19	21,5	8	11,5	14	5,5
BV050408	R3/8	48,5	19	21,5	8	12	14	5,5

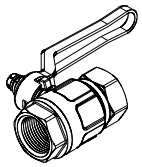




MINI BALL VALVE PUCH-IN
MINI ROBINET RACCORD AUTOMATIQUE
RUBINETTO A SFERA ATTACCO AUTOMATICO

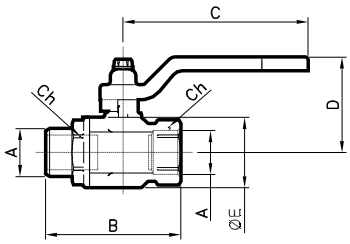
CODE	B	C	D	ØD1	Ch
BV0704	43	19	21,5	4	14
BV0706	43	19	21,5	6	14
BV0708	47,5	19	21,5	8	14

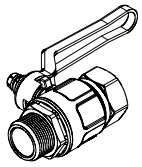




UNIVERSAL BALL VALVE FEMALE / FEMALE PARALLEL
ROBINET UNIVERSAL FEMELLE / FEMELLE CYLINDRIQUE
RUBINETTO A SFERA UNIVERSALE FEMMINA / FEMMINA CILINDRICO

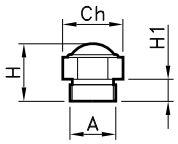
CODE	A	B	C	D	ØE	Ch	DN
BV2103	G1/4	48	80	43	25	18	10
BV2104	G3/8	48	80	43	25	21	10
BV2105	G1/2	51	80	45	31	25	15
BV2106	G3/4	57	113	60	37	31	20
BV2107	G1	70	113	63	46	38	25
BV2108	G1 1/4	80	138	79	57	47	32
BV2109	G1 1/2	93	138	83	70	54	40
BV2110	G2	112	158	100	84	66	50





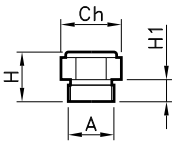
UNIVERSAL BALL VALVE MALE / FEMALE PARALLEL
ROBINET UNIVERSAL MALE / FEMELLE CYLINDRIQUE
RUBINETTO A SFERA UNIVERSALE MASCHIO / FEMMINA CILINDRICO

CODE	A	B	C	D	ØE	Ch	DN
BV2203	G1/4	54	80	43	25	18	10
BV2204	G3/8	54	80	43	25	21	10
BV2205	G1/2	58,5	80	41	31	25	15
BV2206	G3/4	65	110	60	37	31	20
BV2207	G1	77	110	63	46	38	25
BV2208	G1 1/4	90	138	89	57	47	32
BV2209	G1 1/2	103	138	83	70	54	40
BV2210	G2	116	158	100	84	66	50



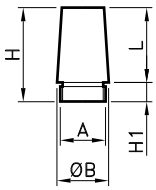
SILENCER-DOME WIRE AISI 304 STAINLESS
SILENCIEUX AVEC RÉSEAU MICROPERFORÉE INOX AISI 304
SILENZIATORE CON RETE MICROFORATA IN ACCIAIO INOX AISI 304

CODE	A	H	H1	Ch
SI40011	M5	8	4	8
SI40012	1/8	15	6	13
SI40013	1/4	18	6	16
SI40014	3/8	20	8	19
SI40015	1/2	22	10	24
SI40016	3/4	26	10	30
SI40017	1	28	10	36



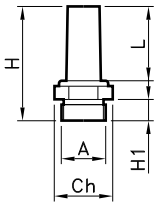
SILENCER WITH SINTERED SPHERICAL BRONZE DOME
SILENCIEUX AVEC PASTILLE BRONZE SPHÉRIQUE
SILENZIATORE CON PASTIGLIE SFERICHE IN BRONZO

CODE	A	H	H1	Ch
SI40021	M5	8,5	4	8
SI40022	1/8	12	6	13
SI40023	1/4	16	8	16
SI40024	3/8	17	8	19
SI40025	1/2	18	10	24
SI40026	3/4	19	10	30
SI40027	1	20	10	36



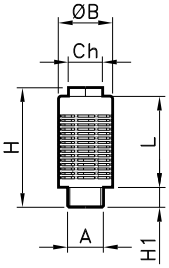
CONICAL SILENCER SPHERICAL BRONZE SINTERED
SILENCIEUX CONIQUE AVEC PASTILLE BRONZE
SILENZIATORE CONICO CON PASTIGLIE IN BRONZO

CODE	A	B	H	H1	L
SI40032	1/8	11,5	22	4,5	17,5
SI40033	1/4	15	26	6	20
SI40034	3/8	19	34,5	7	27,5
SI40035	1/2	23	43	8	35
SI40036	3/4	30	50	9	41
SI40037	1	37	60,5	11	49,5



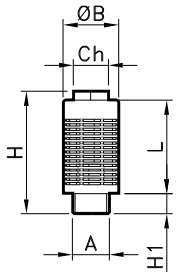
CONICAL SILENCER REPLIED ON SINTERED SPHERICAL BRONZE
SILENCIEUX CONIQUES EN BRONZE FRITTÉ SPHÉRIQUE
SILENZIATORE CONICO IN BRONZO SFERICO SINTERIZZATO

CODE	A	H	H1	L	Ch
SI40041	M5	17	4	10	8
SI40042	1/8	26	6	16	13
SI40043	1/4	34	8	21	16
SI40044	3/8	41	8	28	19
SI40045	1/2	46	10	30	24
SI40046	3/4	56	10	40	30
SI40047	1	66	10	50	36



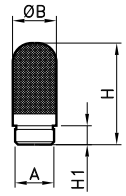
DYNAMIC SELF-CLEANING PLASTIC SILENCER
SILENCIEUX PLASTIQUE DYNAMIQUE AUTO-NETTOYAGE
SILENZIATORE PLASTICA DINAMICO AUTOPULENTE

CODE	A	B	H	H1	L	Ch
SI40052	1/8	15,5	35	7	26	10
SI40053	1/4	19,5	43	7	32	12
SI40054	3/8	24,5	59	11	45	16
SI40055	1/2	24,5	59	11	45	16
SI40056	3/4	50	118	18	90	25
SI40057	1	50	118	18	90	25



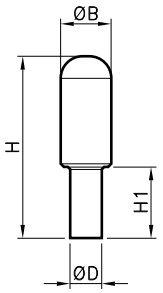
SILENCER PLASTIC WITH STATIC POLYTHENE
SILENCIEUX PLASTIQUE AVEC POLYTHENE STATIC
SILENZIATORE PLASTICO STATICO CON CARTUCCIA IN POLITENE

CODE	A	B	H	H1	L	Ch
SI40082	1/8	15,5	35	7	26	10
SI40083	1/4	19,5	43	7	32	12
SI40084	3/8	24,5	59	11	45	16
SI40085	1/2	24,5	59	11	45	16
SI40086	3/4	50	118	18	90	25
SI40087	1	50	118	18	90	25



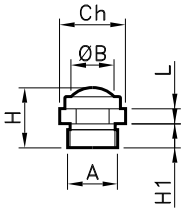
SINTERED POLYETHYLENE SILENCER WELDED
SILENCIEUX EN POLYÉTHYLÈNE POREUX
SILENZIATORE POLITENE POROSO

CODE	A	B	H	H1
SI40091	M5	6,5	23	4
SI40092	1/8	12,5	34	6
SI40093	1/4	15,5	42,5	7
SI40094	3/8	18,5	67,5	11,5
SI40095	1/2	23,5	78	11
SI40096	3/4	38,5	140	15,5
SI40097	1	49	160	19,5



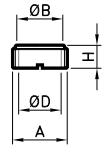
POLYETHYLENE SILENCER WELDED FOT AUTOMATIC FITTINGS
SILENCIEUX POLYÉTHYLÈNE POUR RACCORD AUTOMATIQUE
SILENZIATORE IN POLIETILENE PER RACCORDI AUTOMATICI

CODE	B	D	H	H1
SI40102	7,5	4	32	14
SI40103	13	6	45	17
SI40104	14	8	43,5	18
SI40105	16	10	57,5	22,7
SI40106	19	12	82	24,5



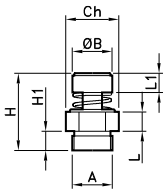
STAINLESS STEEL AISI 316L SILENCER
SILENCIEUX AISI 316L
SILENZIATORE INOX AISI 316L

CODE	A	B	H	H1	L	Ch
SI40111	M5	5,5	8	4	3	8
SI40112	1/8	9,5	15	6	4	13
SI40113	1/4	11	18	8	5	16
SI40114	3/8	14,5	20	8	5	19
SI40115	1/2	19	22	10	6	24
SI40116	3/4	24	26	10	6	30
SI40117	1	31	28	10	6	36



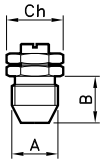
SILENCER WITH RIVETED SINTERED SPHERICAL BRONZE
SILENCIEUX AVEC BRONZE FRITTÉ SPHÉRIQUE
SILENZIATORE CON PASTIGLIA IN BRONZO SFERICO SINTERIZZATO

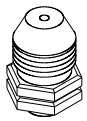
CODE	A	B	D	H
SI40122	1/8	5,5	5,5	4,5
SI40123	1/4	8	6	6
SI40124	3/8	9	9,5	7
SI40125	1/2	12	12,5	9
SI40126	3/4	20	19	9
SI40127	1	25	24	10



EXHAUST REGULATOR WITH SILENCER
REGULATEUR D'ECHAPPEMENT AVEC SILENCIEUX
REGOLATORE DI SCARICO CON SILENZIATORE

CODE	A	B	H min	H max	H1	L	L1	Ch
SI40062	1/8	12	25	28	6	6,5	8	13
SI40063	1/4	14	27	31	8	5,5	8	15
SI40064	3/8	17	31	35	10	8	8	22
SI40065	1/2	18	35	40	10	7,5	10	22





PRECISION EXHAUST REGULATOR
REDULATEUR DE PURGE DE PRECISION
REGOLATORE DI SCARICO DI PRECISIONE

CODE	A	B	Ch
SI40072	1/8	11	12
SI40073	1/4	13,3	14

DIRECT ACTING SOLENOID VALVES
ÉLECTROVANNES A COMMANDE DIRECTE
ELETTROVALVOLE AD AZIONAMENTO DIRETTO

VQ direct electrovalves, are particularly suitable to control water, air, inert gas, steam and for all fluids in general (not aggressive).
The extremely compact brass body, gives to them the possibility to be used in very small places.
They're available in different versions as 2/2, 3/2 NC and NO and with NBR, Viton or EPDM seals.

Les électrovannes de la série VQ avec le command direct sont particulièrement appropriées pour controller l'eau, l'aire, le gaz inerte, la vapeur d'eau et tous les fluids généralement non agressifs.
Le corps en laiton est compact et permet une utilisation dans des espaces confinés.
Sont disponibles plusieurs versions comme 2/2, 3/2 NC et NO et joints en NBR, Viton ou EPDM.

Le elettrovalvole della serie VQ a comando diretto sono particolarmente indicate per il controllo di acqua, aria, gas inerti, vapore e in generale di fluidi non aggressivi.
Il corpo in ottone estremamente compatto ne permettono l'utilizzo in spazi molto ristretti.
Sono disponibili diverse versioni tra cui 2/2 e 3/2 NC e NA e guarnizioni in NBR, Viton e EPDM.

ORDERING CODE / CODIFICATION / CHIAVE DI CODIFICA

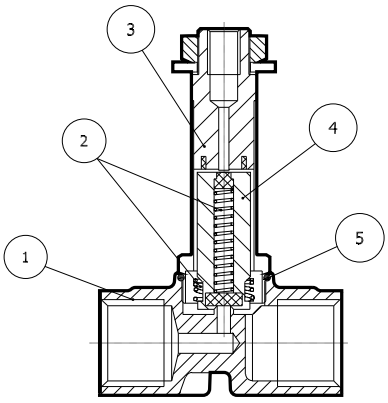
VQD 18 32C 15 N 0

- Seals / Joints / Guarnizioni
  - N= NBR
  - V= VITON
  - E= EPDM
- Ø mm
  - 15= 1.5mm
  - 20= 2.0mm
  - 25= 2.5mm
  - 30= 3.0mm
  - 40= 4.0mm
- Function / Fonction / Funzione
  - 22C= 2/2 NC / NF / NC
  - 22O= 2/2 NO / NO/ NA
  - 32C= 3/2 NC / NF / NC
  - 32O= 3/2 NO / NO/ NA
- Thread size / Filetage / Filetto
  - 18= G1/8
  - 14= G1/4

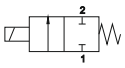
TECHNICAL CHARACTERISTICS / CARACTÉRISTIQUES TECHNIQUES / CARATTERISTICHE TECNICHE

Max. allowable pressure / Pression de service max. / Pressione massima ammissibile	20 bar
Temperature range / Température d'utilisation / Temperatura di utilizzo	-10 °C +80°C
NBR Air, inert gas, water max 75 °C, mineral oils, gas oil, fuel oils Air, gas neutres, eau max. 75°C, huiles minerales, diesel, mazout Aria, gas inerti, acqua max 75 °C, oli minerali, gasolio, oli combustibili	-10°C +90°C
VITON Mineral oils, gasoline, gas oil, fuel oils Huiles minerales, essence, mazout Oli minerali, benzina, oli combustibili	-10°C +140°C
EPDM Hot water, steam (max pressure 2.5 bar) Eau chaude, vapeur (Pression de service max 2.5bar) Acqua calda, vapore (pressione max 2.5 bar)	-10°C +140°C

COMPONENTS / COMPOSANTS / COMPONENTI



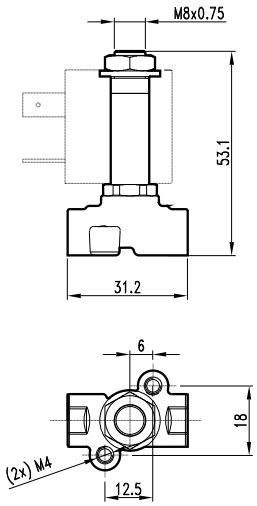
pos.	description / description / descrizione	material / matériel / materiale
1	Body / Corps / Corpo	Brass / Laiton / Ottone
2	Springs / Ressort / Molle	Stainless Steel / Acier inox / Acciaio inox
3	Armature tube / Tube de pilotage / Tubo guida	Stainless Steel / Acier inox / Acciaio inox
4	Core / Noyau / Nucleo	Stainless Steel / Acier inox / Acciaio inox
5	Seals / Joints / Guarnizioni	NBR - EPDM - FKM

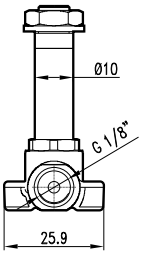


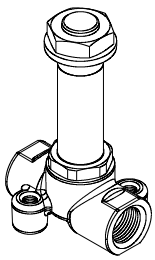
2/2 NC / NF / NC

Code **Code** codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ø mm	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m³/h
VQD1822C15N	NBR	1/8	1,5	25	0.06
VQD1822C15V	FKM	1/8	1,5	25	0.06
VQD1822C15E	EPDM	1/8	1,5	25	0.06
VQD1822C20N	NBR	1/8	2	37	0.09
VQD1822C20V	FKM	1/8	2	37	0.09
VQD1822C20E	EPDM	1/8	2	37	0.09
VQD1822C25N	NBR	1/8	2,5	53	0.15
VQD1822C25V	FKM	1/8	2,5	53	0.15
VQD1822C25E	EPDM	1/8	2,5	53	0.15
VQD1822C30N	NBR	1/8	3	53	0.20
VQD1822C30V	FKM	1/8	3	53	0.20
VQD1822C30E	EPDM	1/8	3	53	0.20
VQD1822C40N	NBR	1/8	4	53	0.30
VQD1822C40V	FKM	1/8	4	53	0.30
VQD1822C40E	EPDM	1/8	4	53	0.30
VQD1422C15N	NBR	1/4	1,5	25	0.06
VQD1422C15V	FKM	1/4	1,5	25	0.06
VQD1422C15E	EPDM	1/4	1,5	25	0.06
VQD1422C20N	NBR	1/4	2	37	0.09
VQD1422C20V	FKM	1/4	2	37	0.09
VQD1422C20E	EPDM	1/4	2	37	0.09
VQD1422C25N	NBR	1/4	2,5	53	0.15
VQD1422C25V	FKM	1/4	2,5	53	0.15
VQD1422C25E	EPDM	1/4	2,5	53	0.15
VQD1422C30N	NBR	1/4	3	53	0.20
VQD1422C30V	FKM	1/4	3	53	0.20
VQD1422C30E	EPDM	1/4	3	53	0.20
VQD1422C40N	NBR	1/4	4	53	0.30
VQD1422C40V	FKM	1/4	4	53	0.30
VQD1422C40E	EPDM	1/4	4	53	0.30

1/8







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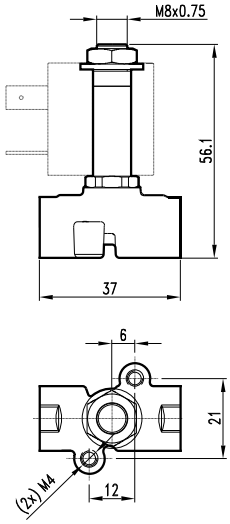
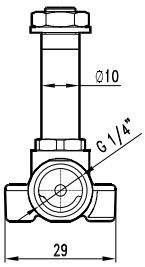
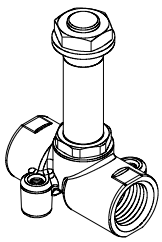
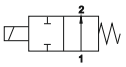




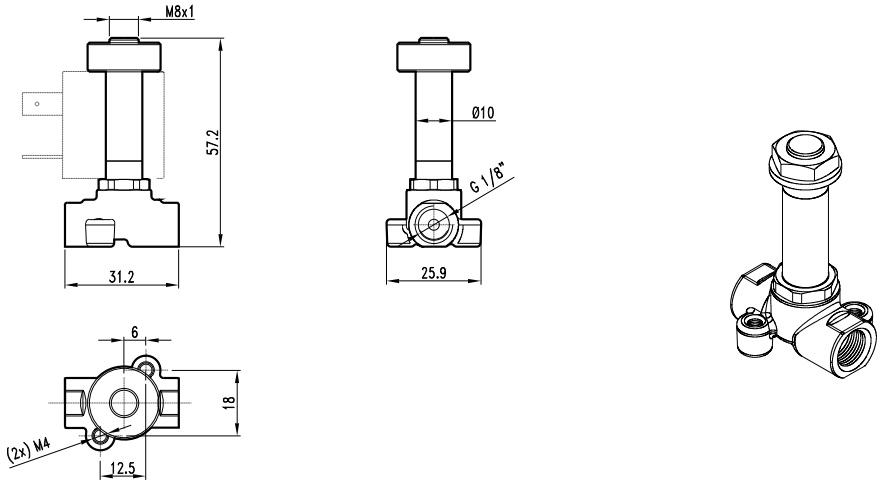




2/2 NO / NO / NA

Code **Code** codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ø mm	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m³/h
VQD1822O15N	NBR	1/8	1,5	25	0.06
VQD1822O15V	FKM	1/8	1,5	25	0.06
VQD1822O15E	EPDM	1/8	1,5	25	0.06
VQD1822O20N	NBR	1/8	2	37	0.09
VQD1822O20V	FKM	1/8	2	37	0.09
VQD1822O20E	EPDM	1/8	2	37	0.09
VQD1822O25N	NBR	1/8	2,5	53	0.15
VQD1822O25V	FKM	1/8	2,5	53	0.15
VQD1822O25E	EPDM	1/8	2,5	53	0.15
VQD1822O30N	NBR	1/8	3	53	0.20
VQD1822O30V	FKM	1/8	3	53	0.20
VQD1822O30E	EPDM	1/8	3	53	0.20
VQD1822O40N	NBR	1/8	4	53	0.30
VQD1822O40V	FKM	1/8	4	53	0.30
VQD1822O40E	EPDM	1/8	4	53	0.30
VQD1422O15N	NBR	1/4	1,5	25	0.06
VQD1422O15V	FKM	1/4	1,5	25	0.06
VQD1422O15E	EPDM	1/4	1,5	25	0.06
VQD1422O20N	NBR	1/4	2	37	0.09
VQD1422O20V	FKM	1/4	2	37	0.09
VQD1422O20E	EPDM	1/4	2	37	0.09
VQD1422O25N	NBR	1/4	2,5	53	0.15
VQD1422O25V	FKM	1/4	2,5	53	0.15
VQD1422O25E	EPDM	1/4	2,5	53	0.15
VQD1422O30N	NBR	1/4	3	53	0.20
VQD1422O30V	FKM	1/4	3	53	0.20
VQD1422O30E	EPDM	1/4	3	53	0.20
VQD1422O40N	NBR	1/4	4	53	0.30
VQD1422O40V	FKM	1/4	4	53	0.30
VQD1422O40E	EPDM	1/4	4	53	0.30

1/8



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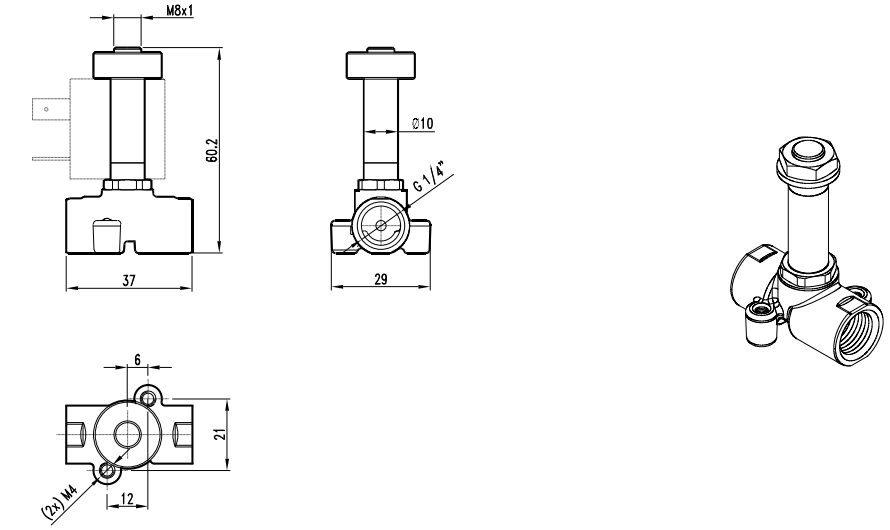

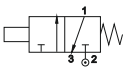

3/2 NC / NF / NC

Code **Code** codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ømm IN	Ømm EXH	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m³/h IN	Kv m³/h EXH
VQD1832C15N	NBR	1/8	1,5	1,4	25	0.06	0.05
VQD1832C15V	FKM	1/8	1,5	1,4	25	0.06	0.05
VQD1832C15E	EPDM	1/8	1,5	1,4	25	0.06	0.05
VQD1832C20N	NBR	1/8	2	1,4	37	0.09	0.05
VQD1832C20V	FKM	1/8	2	1,4	37	0.09	0.05
VQD1832C20E	EPDM	1/8	2	1,4	37	0.09	0.05
VQD1832C25N	NBR	1/8	2,5	1,4	53	0.15	0.05
VQD1832C25V	FKM	1/8	2,5	1,4	53	0.15	0.05
VQD1832C25E	EPDM	1/8	2,5	1,4	53	0.15	0.05
VQD1832C30N	NBR	1/8	3	1,4	53	0.20	0.05
VQD1832C30V	FKM	1/8	3	1,4	53	0.20	0.05
VQD1832C30E	EPDM	1/8	3	1,4	53	0.20	0.05
VQD1832C40N	NBR	1/8	4	1,4	53	0.30	0.05
VQD1832C40V	FKM	1/8	4	1,4	53	0.30	0.05
VQD1832C40E	EPDM	1/8	4	1,4	53	0.30	0.05
VQD1432C15N	NBR	1/4	1,5	1,4	25	0.06	0.05
VQD1432C15V	FKM	1/4	1,5	1,4	25	0.06	0.05
VQD1432C15E	EPDM	1/4	1,5	1,4	25	0.06	0.05
VQD1432C20N	NBR	1/4	2	1,4	37	0.09	0.05
VQD1432C20V	FKM	1/4	2	1,4	37	0.09	0.05
VQD1432C20E	EPDM	1/4	2	1,4	37	0.09	0.05
VQD1432C25N	NBR	1/4	2,5	1,4	53	0.15	0.05
VQD1432C25V	FKM	1/4	2,5	1,4	53	0.15	0.05
VQD1432C25E	EPDM	1/4	2,5	1,4	53	0.15	0.05
VQD1432C30N	NBR	1/4	3	1,4	53	0.20	0.05
VQD1432C30V	FKM	1/4	3	1,4	53	0.20	0.05
VQD1432C30E	EPDM	1/4	3	1,4	53	0.20	0.05
VQD1432C40N	NBR	1/4	4	1,4	53	0.30	0.05
VQD1432C40V	FKM	1/4	4	1,4	53	0.30	0.05
VQD1432C40E	EPDM	1/4	4	1,4	53	0.30	0.05

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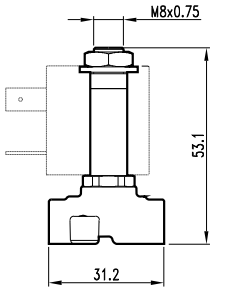

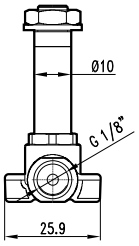

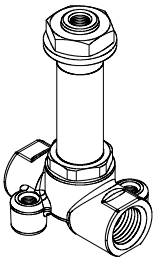

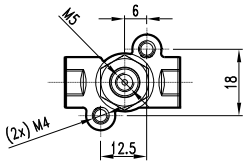

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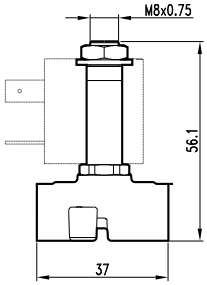
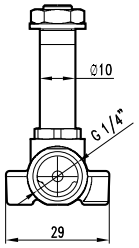
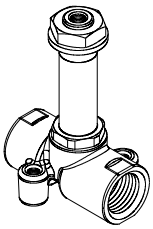
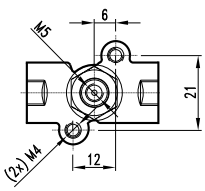
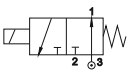






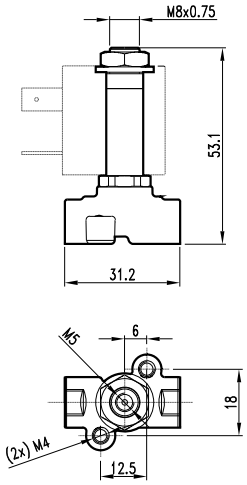


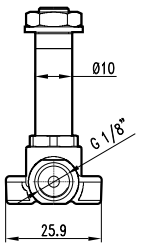


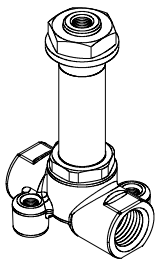
3/2 NO / **NO** / NA

Code **Code** codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ømm IN	Ømm EXH	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m³/h IN	Kv m³/h EXH
VQD1832O15N	NBR	1/8	1,4	1,5	25	0.05	0.06
VQD1832O15V	FKM	1/8	1,4	1,5	25	0.05	0.06
VQD1832O15E	EPDM	1/8	1,4	1,5	25	0.05	0.06
VQD1832O20N	NBR	1/8	1,4	2	37	0.05	0.09
VQD1832O20V	FKM	1/8	1,4	2	37	0.05	0.09
VQD1832O20E	EPDM	1/8	1,4	2	37	0.05	0.09
VQD1832O25N	NBR	1/8	1,4	2,5	53	0.05	0.15
VQD1832O25V	FKM	1/8	1,4	2,5	53	0.05	0.15
VQD1832O25E	EPDM	1/8	1,4	2,5	53	0.05	0.15
VQD1432O15N	NBR	1/4	1,4	1,5	25	0.05	0.06
VQD1432O15V	FKM	1/4	1,4	1,5	25	0.05	0.06
VQD1432O15E	EPDM	1/4	1,4	1,5	25	0.05	0.06
VQD1432O20N	NBR	1/4	1,4	2	37	0.05	0.09
VQD1432O20V	FKM	1/4	1,4	2	37	0.05	0.09
VQD1432O20E	EPDM	1/4	1,4	2	37	0.05	0.09
VQD1432O25N	NBR	1/4	1,4	2,5	53	0.05	0.15
VQD1432O25V	FKM	1/4	1,4	2,5	53	0.05	0.15
VQD1432O25E	EPDM	1/4	1,4	2,5	53	0.05	0.15

1/8







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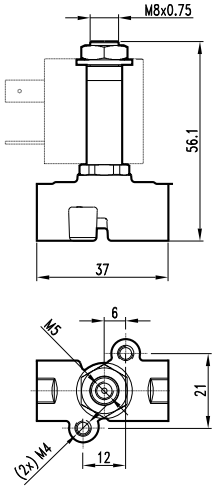
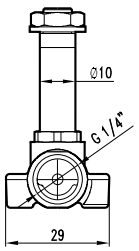
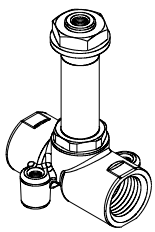
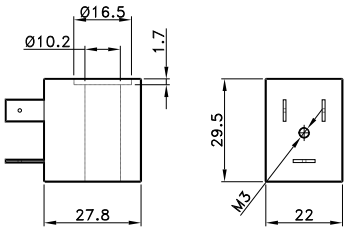
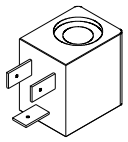








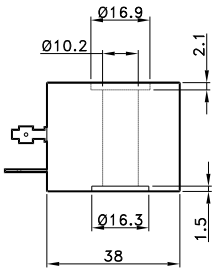


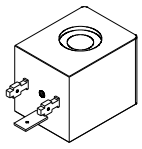
COILS 22 mm / **BOBINE 22 mm** / BOBINE 22 mm

CODE	power / absorption / assorbimento Tension **Tension** Tensione	 Power **Puissance** Potenza
BO4031012	12 V DC	6,5 W
BO4031024	24 V DC	6,5 W
BO4032024	24 V AC	7,5 VA
BO4032110	110 VAC	7,5 VA
BO4032220	220 VAC	7,5 VA

TECHNICAL SPECIFICATIONS / **CARACTERISTIQUES TECHNIQUES**
CARATTERISTICHE TECNICHE

Tension tolerance / **Tolérance tension** / Tolleranza di tensione	+10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%



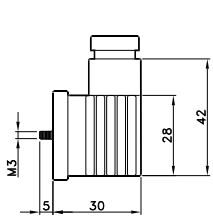


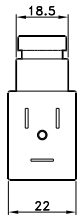
COILS 30 mm / **BOBINE 30 mm** / BOBINE 30 mm

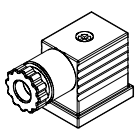
CODE	power / absorption / assorbimento Tension **Tension** Tensione	 Power **Puissance** Potenza
BO4041012	12 V DC	8 W
BO4041024	24 V DC	8 W
BO4042024	24 V AC	11 VA
BO4042110	110 VAC	11 VA
BO4042220	220 VAC	11 VA

TECHNICAL SPECIFICATIONS / **CARACTERISTIQUES TECHNIQUES**
CARATTERISTICHE TECNICHE

Tension tolerance / **Tolérance tension** / Tolleranza di tensione	+10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%



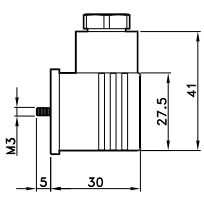


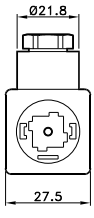


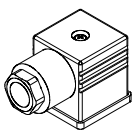
CONNECTORS 22 mm / **CONNECTEUR 22 mm** / CONNETTORI 22 mm

CODE: AR40696

Cable diameter / **Diamètre du cable** / Diametro cavo
6÷8 mm (22mm)
8÷11mm (30mm)







CONNECTORS 30 mm / **CONNECTEUR 30 mm** / CONNETTORI 30 mm

CODE: VX0027

Cable diameter / **Diamètre du cable** / Diametro cavo
6÷8 mm (22mm)
8÷11mm (30mm)

INDIRECT ACTING SOLENOID VALVES
ÉLECTROVANNES A COMMANDE INDIRECTE
ELETTROVALVOLE AD AZIONAMENTO INDIRETTO

VQ indirect electrovalves, are particularly suitable to control water, air, inert gas, steam and for all fluids in general (not aggressive).
The extremely compact brass body, gives to them the possibility to be used in very small places.
They're available in different versions as 2/2, 3/2 NC and NO and with NBR, Viton or EPDM seals.

Les électrovannes de la série VQ avec le command indirect sont particulièrement appropriés pour controller l'eau, l'aire, le gaz inerte, la vapeur d'eau et tous les fluids généralement non agressifs.
Le corps en laiton est compact et permet une utilisation dans des espaces confinés.
Sont disponibles plusieurs versions comme 2/2, 3/2 NC et NO et joints en NBR, Viton ou EPDM.

Le elettrovalvole della serie VQ a comando indiretto sono particolarmente indicate per il controllo di acqua, aria, gas inerti, vapore e in generale di fluidi non aggressivi.
Il corpo in ottone estremamente compatto ne permettono l'utilizzo in spazi molto ristretti.
Sono disponibili diverse versioni tra cui 2/2 e 3/2 NC e NA e guarnizioni in NBR, Viton e EPDM.

ORDERING CODE / CODIFICATION / CHIAVE DI CODIFICA

VQI 14 22C 10 N 0

1= With regulating pin / Avec goupille de régulation / Con spillo di regolazione

Seals / Joints / Guarnizioni
N= NBR
V= VITON
E= EPDM

Ø mm
10= 10mm
12= 12mm
14= 14mm
18= 18mm
25= 25mm

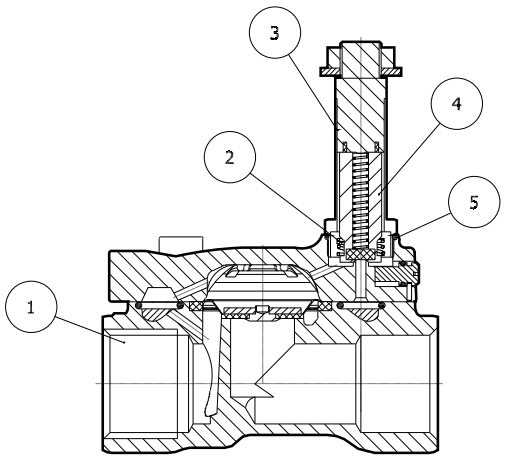
Function / Fonction / Funzione
22C= 2/2 NC / NF / NC
22O= 2/2 NO / NO/ NA

Thread size / Filetage / Filetto
14= G1/4
38= G3/8
12= G1/2
34= G3/4
10= G1

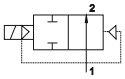
TECHNICAL CHARACTERISTICS / CARACTÉRISTIQUES TECHNIQUES / CARATTERISTICHE TECNICHE

Max. allowable pressure / Pression de service max./ Pressione massima ammissibile	20 bar
Temperature range / Température d'utilisation / Temperatura di utilizzo	-10 °C +80°C
NBR Air, inert gas, water max 75 °C, mineral oils, gas oil, fuel oils Air, gas neutres, eau max. 75°C, huiles minerales, diesel, mazout Aria, gas inerti, acqua max 75 °C, oli minerali, gasolio, oli combustibili	-10°C +90°C
VITON Mineral oils, gasoline, gas oil, fuel oils Huiles minerales, essence, mazout Oli minerali, benzina, oli combustibili	-10°C +140°C
EPDM Hot water, steam (max pressure 2.5 bar) Eau chaude, vapeur (Pression de service max 2.5bar) Acqua calda, vapore (pressione max 2.5 bar)	-10°C +140°C

COMPONENTS / COMPOSANTS / COMPONENTI

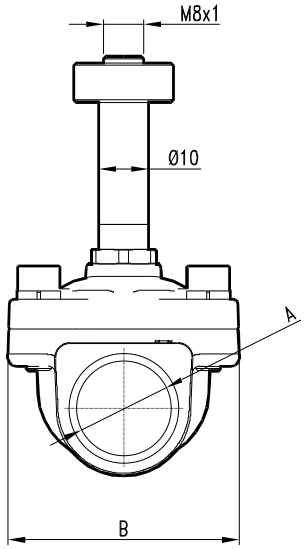


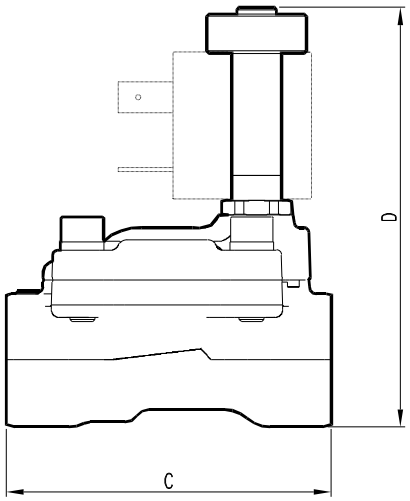
pos.	description / description / descrizione	material / matériel / materiale
1	Body / Corps / Corpo	Brass / Laiton / Ottone
2	Springs / Ressort / Molle	Stainless Steel / Acier inox / Acciaio inox
3	Armature tube / Tube de pilotage / Tubo guida	Stainless Steel / Acier inox / Acciaio inox
4	Core / Noyau / Nucleo	Stainless Steel / Acier inox / Acciaio inox
5	Seals / Joints / Guarnizioni	NBR - EPDM - FKM

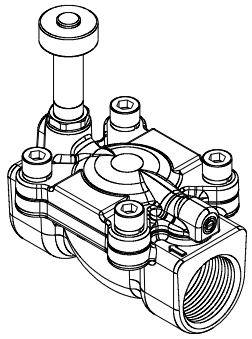


2/2 NO / NO / NA

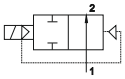
Code Code Codice	Seals Joints Guarnizioni	Thread size Filetage Filetto	Ø mm	Viscosity (Max cSt) Viscosité (Max cSt) Viscosità (Max cSt)	Kv m³/h
VQI1422O10N	NBR	1/4	10	25	1.88
VQI1422O10V	FKM	1/4	10	25	1.88
VQI1422O10E	EPDM	1/4	10	25	1.88
VQI3822O12N	NBR	3/8	12	25	2.90
VQI3822O12V	FKM	3/8	12	25	2.90
VQI3822O12E	EPDM	3/8	12	25	2.90
VQI3822O14N	NBR	3/8	14	25	3.32
VQI3822O14V	FKM	3/8	14	25	3.32
VQI3822O14E	EPDM	3/8	14	25	3.32
VQI1222O12N	NBR	1/2	12	25	3.03
VQI1222O12V	FKM	1/2	12	25	3.03
VQI1222O12E	EPDM	1/2	12	25	3.03
VQI1222O14N	NBR	1/2	14	25	3.53
VQI1222O14V	FKM	1/2	14	25	3.53
VQI1222O14E	EPDM	1/2	14	25	3.53
VQI3422O18N	NBR	3/4	18	25	5.56
VQI3422O18V	FKM	3/4	18	25	5.56
VQI3422O18E	EPDM	3/4	18	25	5.56
VQI1022O25N	NBR	1	25	25	10.97
VQI1022O25V	FKM	1	25	25	10.97
VQI1022O25E	EPDM	1	25	25	10.97





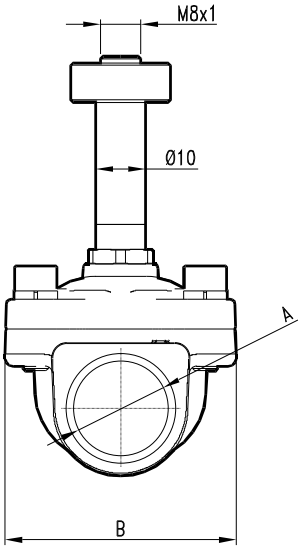


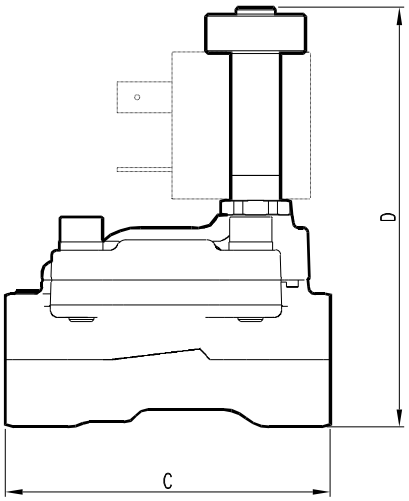
Size / Taille / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	76.6
3/8"	G 3/8	46.4	65.3	84.2
1/2"	G 1/2	46.4	65.3	84.2
3/4"	G 3/4	56.7	81	95
1"	G 1	65	95	101.1

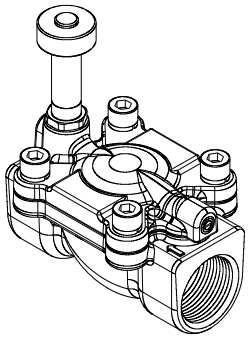


2/2 NO WITH MANUAL OVERRIGE AND REGULATING PIN / 2/2 NO AVEC COMMANDE MANUELLE ET GOUPILLE DE REGLAGE / 2/2 NA CON COMANDO MANUALE E SPILLO DI REGOLAZIONE

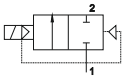
Code **Code** Codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ø mm	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m^3/h
VQI3422O18N1	NBR	3/4	18	25	5.56
VQI3422O18V1	FKM	3/4	18	25	5.56
VQI3422O18E1	EPDM	3/4	18	25	5.56
VQI1022O25N1	NBR	1	25	25	10.97
VQI1022O25V1	FKM	1	25	25	10.97
VQI1022O25E1	EPDM	1	25	25	10.97





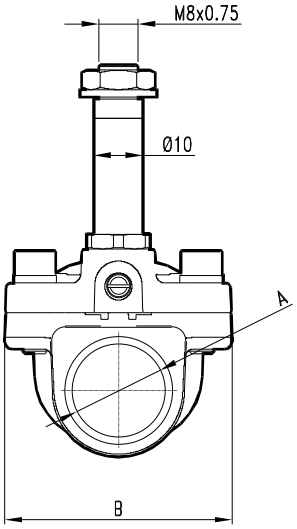


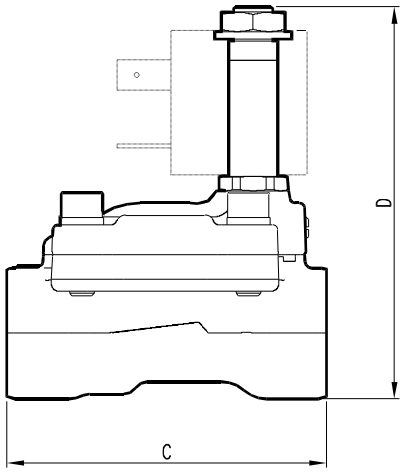
Size / Taille / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	76.6
3/8"	G 3/8	46.4	65.3	84.2
1/2"	G 1/2	46.4	65.3	84.2
3/4"	G 3/4	56.7	81	95
1"	G 1	65	95	101.1

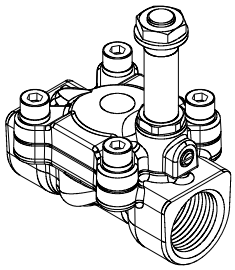


2/2 NC WITH MANUAL OVERRIGE / 2/2 NF AVEC COMMANDE MANUELLE / 2/2 NC CON COMANDO MANUALE

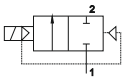
Code **Code** Codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ø mm	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m³/h
VQI1422C10N	NBR	1/4	10	25	1.88
VQI1422C10V	FKM	1/4	10	25	1.88
VQI1422C10E	EPDM	1/4	10	25	1.88
VQI3822C12N	NBR	3/8	12	25	2.90
VQI3822C12V	FKM	3/8	12	25	2.90
VQI3822C12E	EPDM	3/8	12	25	2.90
VQI3822C14N	NBR	3/8	14	25	3.32
VQI3822C14V	FKM	3/8	14	25	3.32
VQI3822C14E	EPDM	3/8	14	25	3.32
VQI1222C12N	NBR	1/2	12	25	3.03
VQI1222C12V	FKM	1/2	12	25	3.03
VQI1222C12E	EPDM	1/2	12	25	3.03
VQI1222C14N	NBR	1/2	14	25	3.53
VQI1222C14V	FKM	1/2	14	25	3.53
VQI1222C14E	EPDM	1/2	14	25	3.53
VQI3422C18N	NBR	3/4	18	25	5.56
VQI3422C18V	FKM	3/4	18	25	5.56
VQI3422C18E	EPDM	3/4	18	25	5.56
VQI1022C25N	NBR	1	25	25	10.97
VQI1022C25V	FKM	1	25	25	10.97
VQI1022C25E	EPDM	1	25	25	10.97





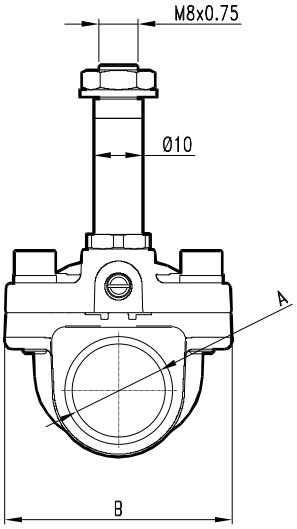


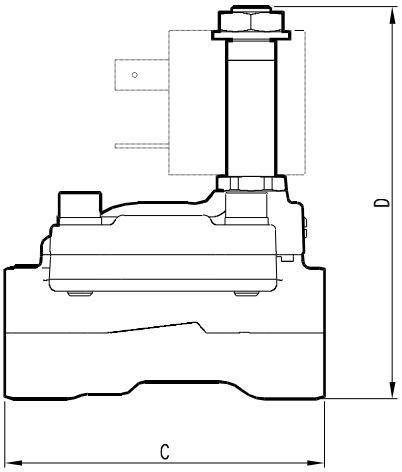
Size / Taille / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	72.5
3/8"	G 3/8	46.4	65.3	80.1
1/2"	G 1/2	46.4	65.3	80.1
3/4"	G 3/4	56.7	81	90.9
1"	G 1	65	95	97

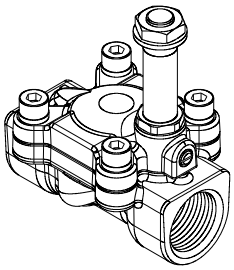


2/2 NC WITH MANUAL OVERRIGE AND REGULATING PIN / 2/2 NF AVEC COMMANDE MANUELLE ET GOUPILLE DE REGLAGE / 2/2 NC CON COMANDO MANUALE E SPILLO DI REGOLAZIONE

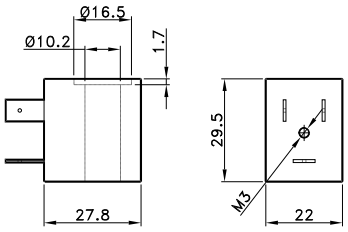
Code **Code** Codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ø mm	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m^3/h
VQI3422C18N1	NBR	3/4	18	25	5.56
VQI3422C18V1	FKM	3/4	18	25	5.56
VQI3422C18E1	EPDM	3/4	18	25	5.56
VQI1022C25N1	NBR	1	25	25	10.97
VQI1022C25V1	FKM	1	25	25	10.97
VQI1022C25E1	EPDM	1	25	25	10.97

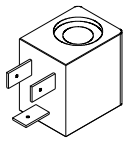






Size / Taille / Taglia	A	B	C	D
1/4"	G 1/4	35.2	55.5	72.5
3/8"	G 3/8	46.4	65.3	80.1
1/2"	G 1/2	46.4	65.3	80.1
3/4"	G 3/4	56.7	81	90.9
1"	G 1	65	95	97



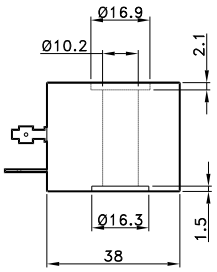


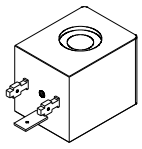
COILS 22 mm / **BOBINE 22 mm** / BOBINE 22 mm

CODE	power / absorption / assorbimento Tension **Tension** Tensione	 Power **Puissance** Potenza
BO4031012	12 V DC	6,5 W
BO4031024	24 V DC	6,5 W
BO4032024	24 V AC	7,5 VA
BO4032110	110 VAC	7,5 VA
BO4032220	220 VAC	7,5 VA

TECHNICAL SPECIFICATIONS / **CARACTERISTIQUES TECHNIQUES**
CARATTERISTICHE TECNICHE

Tension tolerance / **Tolérance tension** / Tolleranza di tensione	+10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%



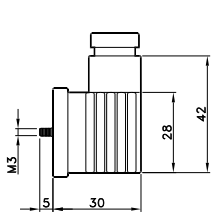


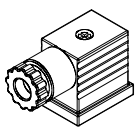
COILS 30 mm / **BOBINE 30 mm** / BOBINE 30 mm

CODE	power / absorption / assorbimento Tension **Tension** Tensione	 Power **Puissance** Potenza
BO4041012	12 V DC	8 W
BO4041024	24 V DC	8 W
BO4042024	24 V AC	11 VA
BO4042110	110 VAC	11 VA
BO4042220	220 VAC	11 VA

TECHNICAL SPECIFICATIONS / **CARACTERISTIQUES TECHNIQUES**
CARATTERISTICHE TECNICHE

Tension tolerance / **Tolérance tension** / Tolleranza di tensione	+10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%

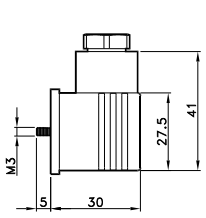


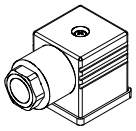


CONNECTORS 22 mm / **CONNECTEUR 22 mm** / CONNETTORI 22 mm

CODE: AR40696

Cable diameter / **Diamètre du cable** / Diametro cavo
6÷8 mm (22mm)
8÷11mm (30mm)





CONNECTORS 30 mm / **CONNECTEUR 30 mm** / CONNETTORI 30 mm

CODE: VX0027

Cable diameter / **Diamètre du cable** / Diametro cavo
6÷8 mm (22mm)
8÷11mm (30mm)

MEMBRANE SOLENOID VALVES
ÉLECTROVANNES A MEMBRANE
ELETTROVALVOLE A MEMBRANA

VQ membrane electrovalves, are particularly suitable to control water, air, inert gas, steam and for all fluids in general (not aggressive).
The extremely compact brass body, gives to them the possibility to be used in very small places.
They're available in different versions as 2/2, 3/2 NC and NO and with NBR, Viton or EPDM seals.

Les électrovannes de la série VQ a membrane sont particulièrement appropriés pour controller l'eau, l'aire, le gaz inerte, la vapeur d'eau et tous les fluids généralement non agressifs.
Le corps en laiton est compact et permet une utilisation dans des espaces confinés.
Sont disponibles plusieurs versions comme 2/2, 3/2 NC et NO et joints en NBR, Viton ou EPDM.

Le elettrovalvole della sere VQ a membrana sono particolarmente indicate per il controllo di acqua, aria, gas inerti, vapore e in generale di fluidi aggressivi.
Il corpo in ottone estremamente compatto ne permettono l'utilizzo in spazi molto ristretti.
Sono disponibili diverse versioni tra cui 2/2 NC con guarnizioni in NBR, Viton e EPDM.

ORDERING CODE / CODIFICATION / CHIAVE DI CODIFICA

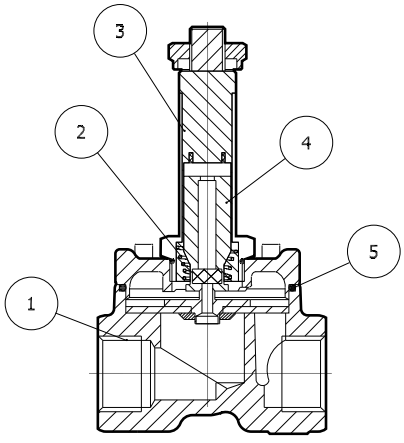
VQM 14 22C 15 N 0

- Thread size / Filetage / Filetto
  - 14= 1/4
  - 38= 3/8
  - 12= 1/2
  - 34= 3/4
  - 10= 1
- Function / Fonction / Funzione
  - 22C= 2/2 NC / NF / NC
- Ø mm
  - 10= 10mm
  - 12= 12mm
  - 14= 14mm
  - 18= 18mm
  - 25= 25mm
- Seals / Joints / Guarnizioni
  - N= NBR
  - V= VITON
  - E= EPDM

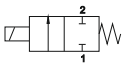
TECHNICAL CHARACTERISTICS / CARACTÉRISTIQUES TECHNIQUES / CARATTERISTICHE TECNICHE

Max. allowable pressure / Pression de service max. / Pressione massima ammissibile	20 bar
Temperature range / Température d'utilisation / Temperatura di utilizzo	-10 °C +80°C
NBR Air, inert gas, water max 75 °C, mineral oils, gas oil, fuel oils Air, gas neutres, eau max. 75°C, huiles minerales, diesel, mazout Aria, gas inerti, acqua max 75 °C, oli minerali, gasolio, oli combustibili	-10°C +90°C
VITON Mineral oils, gasoline, gas oil, fuel oils Huiles minerales, essence, mazout Oli minerali, benzina, oli combustibili	-10°C +140°C
EPDM Hot water, steam (max pressure 2.5 bar) Eau chaude, vapeur (Pression de service max 2.5bar) Acqua calda, vapore (pressione max 2.5 bar)	-10°C +140°C

COMPONENTS / COMPOSANTS / COMPONENTI

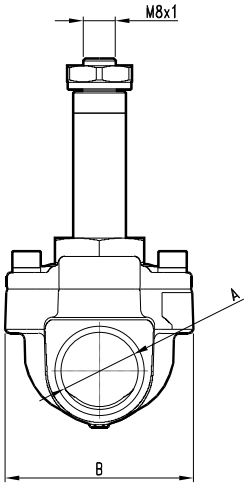


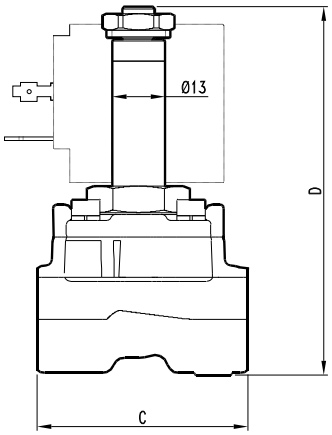
pos.	description / description / descrizione	material / matériel / materiale
1	Body / Corps / Corpo	Brass / Laiton / Ottone
2	Springs / Ressort / Molle	Stainless Steel / Acier inox / Acciaio inox
3	Armature tube / Tube de pilotage / Tubo guida	Stainless Steel / Acier inox / Acciaio inox
4	Core / Noyau / Nucleo	Stainless Steel / Acier inox / Acciaio inox
5	Seals / Joints / Guarnizioni	NBR - EPDM - FKM

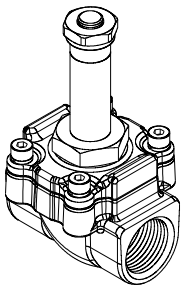


2/2 NC / NF / NC

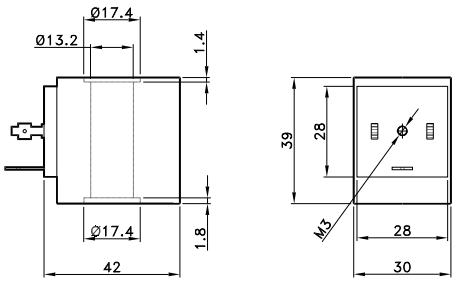
Code **Code** codice	Seals **Joints** Guarnizioni	Thread size **Filetage** Filetto	Ø mm	Viscosity (Max cSt) **Viscosité (Max cSt)** Viscosità (Max cSt)	Kv m³/h
VQM1422C10N	NBR	1/4	10	25	1.58
VQM1422C10V	FKM	1/4	10	25	1.58
VQM1422C10E	EPDM	1/4	10	25	1.58
VQM3822C12N	NBR	3/8	12	25	2.34
VQM3822C12V	FKM	3/8	12	25	2.34
VQM3822C12E	EPDM	3/8	12	25	2.34
VQM3822C14N	NBR	3/8	14	25	2.73
VQM3822C14V	FKM	3/8	14	25	2.73
VQM3822C14E	EPDM	3/8	14	25	2.73
VQM1222C12N	NBR	1/2	12	25	2.36
VQM1222C12V	FKM	1/2	12	25	2.36
VQM1222C12E	EPDM	1/2	12	25	2.36
VQM1222C14N	NBR	1/2	14	25	2.75
VQM1222C14V	FKM	1/2	14	25	2.75
VQM1222C14E	EPDM	1/2	14	25	2.75
VQM3422C18N	NBR	3/4	18	25	4.08
VQM3422C18V	FKM	3/4	18	25	4.08
VQM3422C18E	EPDM	3/4	18	25	4.08
VQM1022C25N	NBR	1	25	25	6.63
VQM1022C25V	FKM	1	25	25	6.63
VQM1022C25E	EPDM	1	25	25	6.63

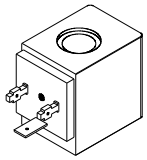






Size / Taille Taglia	A	B	C	D
1/4"	G 1/4	40	44	83.7
3/8"	G 3/8	46.5	52	90.8
1/2"	G 1/2	46.5	52	90.8
3/4"	G 3/4	56.5	61.9	96.5
1"	G 1	66	72.5	104.7



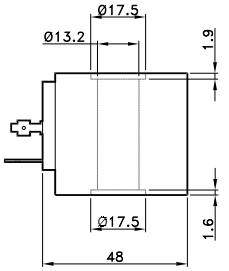


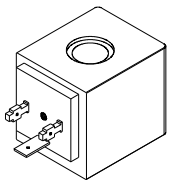
COILS 30 mm WITH HOLE 13mm / **BOBINE 30 mm AVEC TROU 13mm**
BOBINE 30 mm CON FORO 13mm

CODE	power / absorption / assorbimento Tension **Tension** Tensione	 Power **Puissance** Potenza
BO4031012	12 V DC	14 W
BO4031024	24 V DC	14 W
BO4032024	24 V AC	14 VA
BO4032110	110 VAC	14 VA
BO4032220	220 VAC	14 VA

TECHNICAL SPECIFICATIONS / **CARACTERISTIQUES TECHNIQUES**
CARATTERISTICHE TECNICHE

Tension tolerance / **Tolérance tension** / Tolleranza di tensione	±10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%



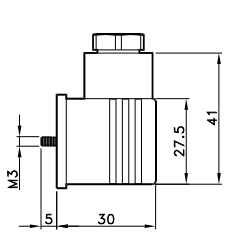


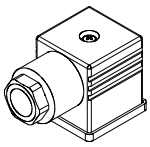
COILS 36 mm WITH HOLE 13mm / **BOBINE 36 mm AVEC TROU 13mm**
BOBINE 36 mm CON FORO 13mm

CODE	power / absorption / assorbimento Tension **Tension** Tensione	 Power **Puissance** Potenza
BO4041012	12 V DC	22 W
BO4041024	24 V DC	22 W
BO4042024	24 V AC	31 VA
BO4042110	110 VAC	31 VA
BO4042220	220 VAC	31 VA

TECHNICAL SPECIFICATIONS / **CARACTERISTIQUES TECHNIQUES**
CARATTERISTICHE TECNICHE

Tension tolerance / **Tolérance tension** / Tolleranza di tensione	±10%
Protection with connector / **Protection avec connecteur** / Protezione con connettore	IP65
Max working temperature / **Température max d'utilisation** / Temperatura max di esercizio	+50 C°
Duty cycle / **Temps d'enclenchement** / Inserimento	ED 100%





CONNECTORS 30 mm / **CONNECTEUR 30 mm** /
CONNETTORI 30 mm

CODE: VX0027

Cable diameter / **Diamètre du cable** / Diametro cavo
6÷8 mm (22mm)
8÷11mm (30mm)