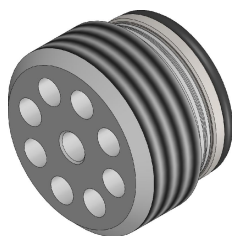
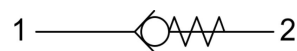


CVDO VALVE SERIES

GAS Insert - 350 bar
Direct acting - Poppet type



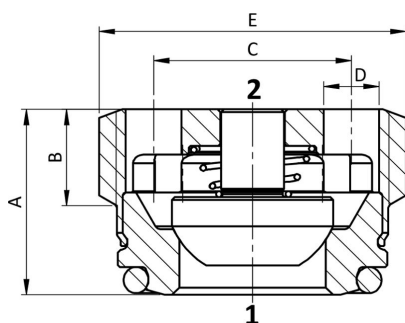
HYDRAULIC SCHEME



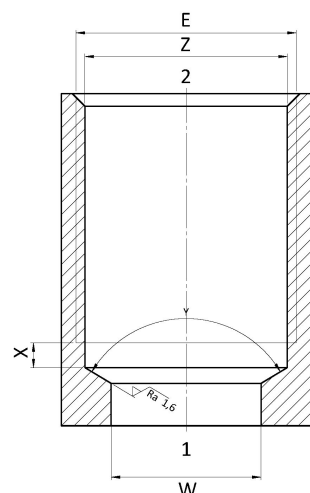
DESCRIPTION

A screw-in, direct acting, poppet type in-line check valve. Main use is as a blocking or load-holding device. The CVDO allows flow passage from port 1 to 2: the cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at port 1 to open to 2. The flow is blocked in the opposite direction (2 to 1).

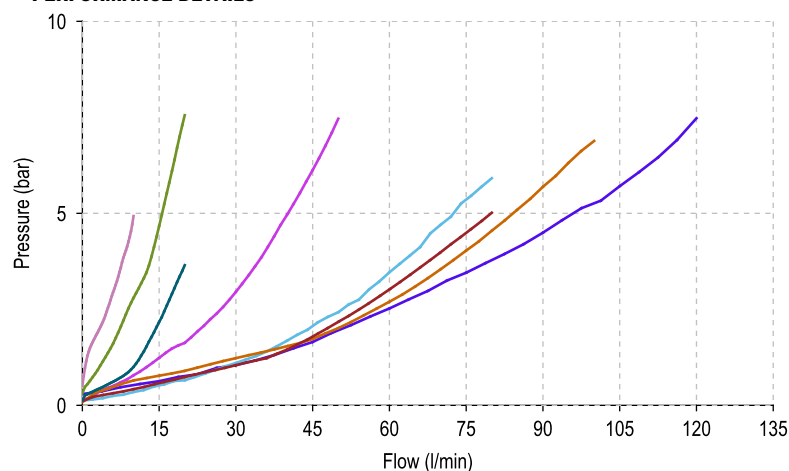
CROSS SECTION



CAVITY



PERFORMANCE DETAILS



NOTE
The performance chart illustrates flow handling capacity. p/Q curves are recorded at TOil = 40°C and 46 cSt.

LEGEND

- S06
- S08
- S10
- G18
- G14
- G38
- G12
- G34

TECHNICAL DATA

MAXIMUM OPERATING PRESSURE	350 bar
MAXIMUM FLOW	see table below
CRACKING PRESSURE	see table below
MAXIMUM INTERNAL LEAKAGE	0,10 cm ³ / min @ 10 bar 0,10 cm ³ / min @ 350 bar
O-RING TEMPERATURE RANGE	-30° C to 110° C (standard sealing NBR - BUNA - N) -35° C to 140° C (HNBR - Upon customer request) -23° C to 225° C (FKM - Upon customer request)
OIL TEMPERATURE RANGE	-30° C to 110° C
FLUIDS	Mineral - based or synthetics with lubricating properties
VISCOSITIES	7,4 to 420 cSt
FILTRATION	20/ 18/15 ISO 4406 (maximum filtration admitted)
ORIENTATION	No restrictions
INSTALLATION TORQUE	see table below
TECH. SPEC. FOR CHARACTERIZATION	see page 807
OIL TESTING CONDITIONS	ISO VG 46 cSt
SEAL KIT CODE	see table below
WEIGHT	see table below

ORDERING CODE

C	V	D	O	.	*	*	*	.	0	*	.	0	0	0
VALVE BASIC CODE					SIZE (see table below)				BIAS SPRING			000 = Standard configuration.		
									N = Standard (cracking pressure <0.5)					
									Note = customized bias spring can be offered upon request					

Valve Details										Cavity Details				
E	A	B	C	D	MAX FLOW	Install. Torque	Install Tool	Seal Kit	Weight	Cavity code	X	Y	Z	W
[size]	[mm]	[mm]	[mm]	[mm]	[l/min]	[Nm]	[code]	[code]	[kg]	[code]	[mm]	[mm]	[mm]	[mm]
S06	10,0	6,0	Ø8,4	Ø2,2	20	6	IK.001	SK.091	0,008	VH169	3,0	118°	Ø12,9	Ø7
S08	12,7	6,5	Ø12,0	Ø3,8	80	10	IK.016	SK.108	0,016	VH106	3,0	118°	Ø17,4	Ø12
S10	12,7	6,6	Ø14,0	Ø4,3	100	30	IK.003	SK.107	0,023	VH166	3,0	118°	Ø20,3	Ø12
G18	7,5	3,5	Ø5,6	Ø1,6	10	6	IK.004	SK.013	0,002	VH056	3,0	118°	Ø8,7	Ø5
G14	8,5	4,4	Ø8,4	Ø2,2	20	15	IK.001	SK.016	0,005	VH007	3,0	118°	Ø11,6	Ø7
G38	11,3	6,0	Ø11,1	Ø3,0	50	30	IK.002	SK.017	0,011	VH008	3,0	118°	Ø15,1	Ø9
G12	12,7	6,5	Ø13,5	Ø3,8	80	30	IK.003	SK.148	0,019	VH009	3,0	118°	Ø18,8	Ø12
G34	14,8	7,6	Ø16,5	Ø5,0	120	50	IK.005	SK.015	0,040	VH057	3,0	118°	Ø24,3	Ø18

Specifications may change without notice.