

EXILITE *Light weight*



COMPOTEC® EXILITE is a multi-layer composite hose manufactured from Polypropylene, Polyethylene and Polyester films and fabrics, with a weather-proof and abrasion resistant outer cover made of Polyvinyl chloride fabric. All the different layers are precisely overlapped on each other with predefined angles and, subsequently, compressed between two spirals, one internal and one external, of coated or bare Aluminium alloy.

The specific engineering of **COMPOTEC® EXILITE** makes it the lightest composite hose currently available on the market, maintaining, despite the lower weight, the same strength and durability of the more "traditional" **COMPOTEC®** composite hoses and the ability to operate at certain pressures and temperatures that fully satisfy the requirements, of fuel transport by trucks or by railway tanks. It is also particularly resistant to abrasion, thanks to its outer wire coated in a specific thick-walled black polymeric material.

FEATURES & APPLICATIONS - **COMPOTEC® EXILITE** is manufactured in accordance with the standard EN 13765:2018 (BS 5842:1980) and the guidelines NAHAD 600/2005. Extremely flexible and easy to handle, the **COMPOTEC® EXILITE** are used in applications such as low-pressure transfer for loading and unloading road and railway tankers, storage tanks, even small ones, and in various types of plants where extreme maneuverability and ease of use are required.

It is also suitable for the transfer of light distillates such as gasoline, diesel, paraffin, kerosene, lubricating oils and can also be used for biodiesel and aviation fuels.

Where exceptionally low weight is indicated, EXILITE is the answer. The inner wire is made of a special high-strength aluminum alloy, while a special aluminum alloy wire coated in black antistatic PP is used for the external spiral. This external wire has the ability not to damage and/or scratch any painted surfaces and, moreover, makes the hose resistant to abrasive surfaces.

All the hoses are 100% resistant to aromatics agents, and can be used both for suction and delivery.

Vacuum rating is 0,9 bar, according to the EN ISO 7233 method B. **COMPOTEC® EXILITE** hose's assemblies are fitted with an extensive range of couplings readily available, externally swaged with crimping ferrules in Stainless Steel or Galvanized Steel.

SAFETY SPECS - **COMPOTEC® EXILITE** hoses have a 4:1 Safety Factor and they are tested at 1,5 times working pressure, in accordance with the construction standards and the Directive CE PED 2014/68/EU. The hose is permanently marked on the external ferrule in compliance with Directive CE PED 2014/68/EU.

The hose is supplied with a Declaration of Conformity and Use and Maintenance Manual. Additional test certifications can be supplied on request.

The burst pressure indicated is intended at ambient temperature in accordance with EN 13765:2018.

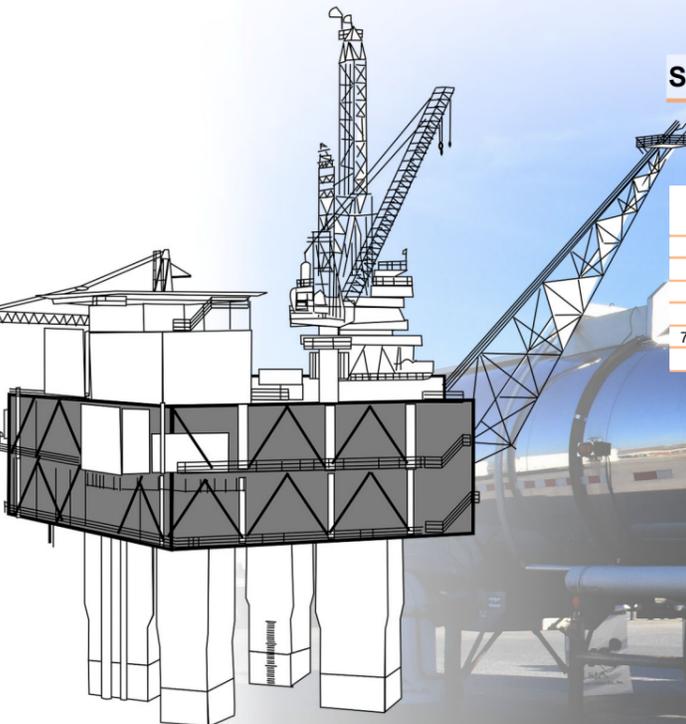
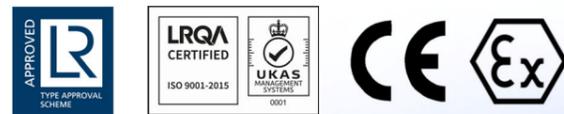
They are manufactured in accordance with the requirements of Par. 2:12 and 5:7 of the IMO Chemical Carrier Code and they are Type Approved by Lloyd's Register, Certification n° 13/00002 E1.

Electrical continuity is achieved by its two wires bonded to end fittings and ferrules and this system helps to dissipate the electrostatic charges accumulated. The assembled hose's electrical resistance is less than 100 Ohm, as required by EN ISO 8031:2020, 4.8.

On request it is possible to manufacture the hose in accordance to the Directive 2014/34/UE **ATEX**, with special black antistatic conductive external cover, the grounding cable, and the relative documentation.

CONSTRUCTION - High strength polypropylene and polyester films and fabrics, high density polyethylene films (UHMW PE) reinforcement, to avoid any possible leakages and guarantee a gas-tight construction, Polyvinyl chloride coated polyester cover fabric, or, on request, ELASTAR (a special PU coated fabric) more resistant to the weather, ozone, high temperatures and abrasion. It can be produced with two different cover's colour: orange or black. Available in 40 mt coils from 1 1/2" up to 4".

All **COMPOTEC®** hoses are 100% antistatic - Electrically continuous, meet the requirements of EN, CE, AS, US Coast Guard and the NAHAD Guidelines. They are Type Approved by Lloyd's and ATEX approved for potentially explosive environment



STANDARD DUTY FUEL & VAPOR SUCTION & DISCHARGE HOSE - EXCEEDS EN 13765:2018 TYPE 2

EXILITE

Size		Safety Factor	Working Pressure	Bend Radius EN ISO 1746	Weight Kg / Mt.			Length
mm	Inch	S.F.	Bar / PSI	mm	AP	PP	PA	Mt.
40	1 1/2"	4:1	10 / 150	100	0,95	1,18	0,92	40
50	2"	4:1	10 / 150	150	1,20	1,48	1,16	40
65	2 1/2"	4:1	10 / 150	200	1,49	1,73	1,47	40
75/80	3"	4:1	10 / 150	250	1,77	2,04	1,74	40
100	4"	3:1	10 / 150	300	2,38	2,55	2,37	40

Code	EXILITE AP	EXILITE PP	EXILITE PA
Applications		Fuel and Vapors Transfer	
Colour		Orange / Black	
Temperature	Aluminium	PP Coated Aluminium	PP Coated Aluminium
Inner wire	PP Coated Aluminium	PP Coated Aluminium	Aluminium
Outer wire		-30 +80°C	
S.F.		4:1	



MATEC GROUP SRL
VIA I MAGGIO, 7 - PESCHIERA BORROMEO (MILANO) - ITALIA
Tel. +39 02 55 30 17 88 - Fax +39 02 54 72 158
matec@matecgroup.com
www.matecgroup.com

Lloyd's Register Cert n. 10359098-31/12/2020 - MATEC GROUP SRL Management System Certified as per ISO 9001:2015 (Approval number(s): ISO 9001-00028498)
Lloyd's Register Cert. n. CERT-04193-99-AQ IND-SINCERT
EN 13765:2018, approved from CEN

Directive 2014/68/EU "PED" with operating Procedures certified from Lloyd's Register - CE 0094/PED/MAD/11075954/01
COMPOTEC® hoses comply with the Directive 2014/68/EU and classified accordingly.
Directive UK Statutory Instrument 2016 No. 1105 from Lloyd's Register - 0038/UK/PER/PRJ11100324460/01

Directive ATEX 2014/34/UE hose for explosive atmospheres (Technical File Reference MATEX 2017 rev 1),
Cert. held by Lloyd's Register Rec. nr. CE 0038/ATEX/MLN1790549/01

AS 2683-2000 (Hose & hose assemblies for distribution of petroleum and petroleum products)
AS 2117-1991 (Hose & hose assemblies for petroleum and petroleum products - Marine suction and discharge)
NAHAD Guidelines (NAHAD 600/2005)

Test procedures:
EN ISO 1402 - EN 8031
EN ISO 10619-1
EN ISO 7233 (method B)
EN ISO 8031:2020, 4.8.
AS 1180.13B (Electrical resistance)
AS1180.13C (Electrical continuity)

Type Approval:
Lloyd's Register Type Approved - Cert. N° 13/00002 (E1)
Lloyd's Register Type Approved - Cert. N° 18/00037-2
DNV - Det Norske Veritas - Type Approval Cert. N° P-12369
RINA - Registro Italiano Navale - Cert. N° MAC/81398/1/TO/99
Inspection Report ADR BUREAU VERITAS Nr. 16-MF-MATEC (Dangerous Goods by Road)
Russian Maritime Register of Shipping - 08031300
Standard Organisation of NGA Programme - NGA-RFR2
IBC Code Chapter 5 - Ship's Cargo hoses
IMO Chemical Carrier Code - Paragraphs 2.12 and 2.13
EAST CERTIFICATION EAC N° 0289738
M.O.C.A. Declaration of Confo No. 1903335-002

Welding process
in accordance to EN ISO 9606-1 EN 15607:2005 EN 1717:2017 TR 15608:2017 UNI EN ISO 14175:2008 certified by DNV -
Det Norske Veritas
in accordance to ASME IX certified by DNV GL and ITALCERT

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MATEC GROUP SRL
VIA I MAGGIO, 7 - PESCHIERA BORROMEO (MILANO) - ITALIA
Tel. +39 02 55 30 17 88 - Fax +39 02 54 72 158
matec@matecgroup.com
www.matecgroup.com

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