

OIL & FUEL



COMPOTEC® OIL is a multi-layer thermoplastic hose manufactured from Polypropylene, Polyethylene and Polyester films and Polypropylene fabrics, with a weather-proof and abrasion resistant outer cover made of Polyvinyl coated Polyester fabric. Outer cover is also available in **ELASTAR**, a special PU coated fabric; its UV, Ozone, Sunlight and weathering resistance, offers superior temperature and abrasion characteristics.

All the different layers are wrapped together and tensioned between internal and external wire spirals. This enables our product to meet the requirement of the Petrol-chemical industry and those of the Oil & Gas industry.

COMPOTEC® assemblies are fitted with an extensive range of couplings readily available, externally swaged with crimping ferrules.

COMPOTEC® OIL assemblies are tested at 1 1/2 times rated working pressures for safety and reliability, in accordance with EN ISO 1402 (BS 5842:1980 clause 6.4). The securing ferrule, at one end of the hose, is permanently marked by engraving, with manufacturer's name, nominal bore, the hose assembly serial number and the test date. The marking of hose assemblies is made in compliance with PED Directive (97/23/CE). Full test certification can be supplied on request.

COMPOTEC® OIL hoses can be supplied in the **FIRETEC** version with ADR self-extinguish CL1 cover.

Burst pressure indicated, is at ambient temperature when tested in accordance with EN ISO 1402 (BS 5173 section 102.10:1990).

Electrical continuity is achieved by the two wires bonded to the end fittings, this helps dissipate accumulated charge and to avoid static flash. The electric resistance of hose assemblies is less than 1 ohm/mt, as required by EN ISO 8031:2009 - 4.7. Upon request it's possible to manufacture **COMPOTEC®** hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover, ground connection cable, for explosive environment.

COMPOTEC® OIL 800 HD and **OIL SD** hoses are specially engineered for the transfer of hydrocarbons, including oil, petrol, diesel, lubricating oils, MTBE, paraffin and 100% aromatics, in all kinds of transfer. The range includes:

OIL 800 HD - HEAVY DUTY

Applications: Heavy Duty construction for the transfer of a wide variety of hydrocarbon conveyant under suction or pressure. Used for black oils and heavier lubricating products, Ship to Shore and Ship to Ship, Docksides and in general for the most arduous Industrial and Marine applications. Commonly used for all hose loading arms in Bottom Loading operations, thanks to the special reinforcement for minimal elongation. Fully suitable for 100% aromatics & MTBE transfer.

Construction: High strength polypropylene and polyester films and fabrics, high density polyethylene films reinforcement, includes in the construction an High Density UHMW PLT seamless tubular extruded film, to avoid any possible leak and guarantee a gas-tight construction, Polyvinyl coated polyester fabric cover, weather and ozone resistant Available in 40 mt coils from 3/4" to 8" and 25 mt length up to 12"

COMPOTEC® OIL 800 HD hose assemblies are certified by D N V as complying the requirements of CE Directive 97/23 "PED" and are manufactured in accordance with the requirements of Paragraphs 2:12 and 5:7 of the IMO Chemical Carrier Code.

COMPOTEC® OIL 800 HD hoses are Type approved by Lloyd's with Certificate n° 13/0002

OIL SD - STANDARD DUTY

Applications : General purpose Standard Duty hose suitable for the safe transfer of a wide variety of hydrocarbons, including fuel oils, petrol, diesel, lubricating oils, kerosene, MTBE, and 100% aromatics under suction or pressure. Commonly used for road and rail tanker loading and discharging, storage tank and in-plant use. Suitable as flexible hose for Top Loading arms.

Available in 40 mt coils from 1 1/2" up to 8".

Construction: High strength polypropylene films and fabrics, high density polyethylene film reinforcements, Polyvinyl coated polyester fabric cover, weather and ozone resistant.

VAPOROIL - LIGHT DUTY

Applications: General purpose Light Duty hose is ideal for use in petroleum and petrochemical vapor recovery systems in ship to shore, ship to ship, bottom loading and tank truck operations. Complies with USCG Marine Vapour control system 33CFR Part 154.810.

All **COMPOTEC®** hoses are 100% Antistatic - Electrically continuous, meets the EN, CE, AS, U.S. Coast Guard requirements, NAHAD Guidelines, are Lloyd's and DNV approved and ATEX certificate can be released on request.



HEAVY DUTY HYDROCARBON SUCTION & DISCHARGE HOSE EN 13765:2010 TYPE 3

Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight Kg/mt			Maximum Length	
mm	Inch	Bar	P.S.I.		mm	Inch	ZZ/XX	AZ	AA	Mt.	Feet
20	3/4"	15	200	5:1	75	3		0,73		40	132
25	1"	15	200	5:1	100	4		0,90		40	132
32	1 1/4"	15	200	5:1	125	5		1,27		40	132
40	1 1/2"	15	200	5:1	140	5 1/2		1,49		40	132
50	2"	15	200	5:1	180	7		2,18		40	132
65	2 1/2"	15	200	5:1	220	8,5		3,09		40	132
75/80	3"	15	200	5:1	180	11		3,66		40	132
100	4"	15	200	5:1	400	16		5,28		40	132
150	6"	15	200	5:1	575	23		11,90		40	132
200	8"	15	200	5:1	800	32		15,65		40	132
250	10"	15	200	5:1	1000	40		22,53		25	82
300	12"	15	200	5:1	1200	48		31,78		25	82

OIL 800 HD

Code	OIL 800HD ZZ	OIL 800HD ZX	OIL 800HD XZ	OIL 800HD XX
Applications	Heavy Duty Fuel/Oil liquid transfer			
Colour	Blue / Black			
Temperature	-40 +100°C			
Inner wire	Galv.Steel	Galv.Steel	St.Steel	St.Steel
Outer wire	Galv.Steel	St.Steel	Galv.Steel	St.Steel

STANDARD DUTY HYDROCARBON SUCTION & DISCHARGE HOSE EN 13765:2010 TYPE 2

Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight Kg/mt			Maximum Length	
mm	Inch	Bar	P.S.I.		mm	Inch	ZZ/XX	AZ	AA	Mt.	Feet
40	1 1/2"	10	150	5:1	140	5 1/2	1,23	0,98	0,67	40	132
50	2"	10	150	5:1	180	7	1,66	1,35	0,97	40	132
65	2 1/2"	10	150	5:1	220	8,5	2,10	1,71	1,25	40	132
75/80	3"	10	150	5:1	180	11	2,53	2,05	1,53	40	132
100	4"	10	150	5:1	400	16	4,10	3,29	2,38	40	132
150	6"	10	150	5:1	575	23	9,85	7,50	5,58	40	132
200	8"	10	150	5:1	800	32	13,31	9,71	6,94	40	132

OIL SD

Code	OIL SD ZZ	OIL SD ZX	OIL SD XZ	OIL SD AZ	OIL SD AA
Applications	Standard Duty Fuel/Oil liquid transfer				
Colour	Blue			Orange	
Temperature	-30 +80°C				
Inner wire	Galv.Steel	Galv.Steel	St.Steel	Aluminium	Aluminium
Outer wire	Galv.Steel	St.Steel	St.Steel	Galv.Steel	Aluminium

LIGHT DUTY HYDROCARBON VAPOUR SUCTION & DISCHARGE HOSE EN 13765:2010 TYPE 1

Size		Maximum W.P.		Vacuum rating	Safety Factor	Bend Radius EN ISO 1746		Weight Kg/mt			Maximum Length	
mm	Inch	Bar	P.S.I.			mm	Inch	ZZ/XX	AZ	AA	Mt.	Feet
40	1 1/2"	5	100	0,7	4:1	140	5 1/2	1,20	0,95	0,64	40	132
50	2"	5	100	0,7	4:1	180	7	1,56	1,26	0,89	40	132
65	2 1/2"	5	100	0,7	4:1	220	8,5	2,07	1,68	1,12	40	132
75/80	3"	5	100	0,7	4:1	180	11	2,40	1,96	1,44	40	132
100	4"	5	100	0,7	4:1	400	16	3,10	2,52	1,79	40	132
150	6"	5	100	0,7	4:1	575	23	8,33	6,53	4,09	40	132
200	8"	5	100	0,7	4:1	800	32	10,95	8,39	5,61	40	132
250	10"	5	100	0,7	4:1	1000	40	17,40	13,55	8,68	25	82
300	12"	5	100	0,7	4:1	1200	48	24,08	18,48	12,49	25	82

VAPOROIL LD

Code	VAPOROIL ZZ	VAPOROIL AZ	VAPOROIL AA
Applications	Light Duty Fuel/Oil Vapours		
Colour	Yellow		
Temperature	-30 +80°C		
Inner wire	Galv.Steel	Aluminium	Aluminium
Outer wire	Galv.Steel	Galv.Steel	Aluminium

