

EXTRAFLEX

COMPOTEC® EXTRAFLEX HOSES

Compotec's product range is very comprehensive and covers the majority of applications. However, every customer is different and there are some applications where a standard hose may not always be suitable. Compotec's experienced technical staff, have used their experience to develop a number of special hose constructions designed to cope with mechanically or chemically challenging conditions. **COMPOTEC EXTRAFLEX** hoses is a range of hoses specially designed to have a better bending radius, while maintaining the same pressure and temperature resistance. All this has been possible to achieve using the latest nanotechnology polymers, thinner but with higher performances, both in terms of mechanical and chemical resistance.

EXTRACHEM

Applications : Extra flexible General purpose hose suitable for the safe transfer of a wide variety of chemicals under suction or pressure. Commonly used for loading and unloading of road and rail tankers, storage tank and in-plant applications. Suitable as flexible terminal hose for Top Loading arms. Available in 40 mt coils from 1" up to 4". Available in two versions, HD (Heavy Duty) acc. to EN 13765 Type 3, and SD (Standard Duty) acc. to EN 13765 Type 2.

EXTRAOIL

Applications : Extra flexible General purpose 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. Available in 40 mt coils from 1" up to 4". Available in two versions, HD (Heavy Duty) acc. to EN 13765 Type 3, and SD (Standard Duty) acc. to EN 13765 Type 2.

EXTRALON

Applications : Extra flexible General purpose hose suitable for the safe transfer of a wide variety of Aggressive Chemicals under suction or pressure, where the chemical resistance of polypropylene is inadequate. Commonly used for loading and unloading of road and rail tankers, storage tank and in-plant applications. Available in 40 mt coils from 1" up to 4". Available in two versions, HD (Heavy Duty) acc. to EN 13765 Type 3 with first inner layer in Pure **PTFE Skived tape**, and SD (Standard Duty) acc. to EN 13765 Type 2, with first inner layer in **ECTFE Film**.

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



EXTRACHEM HOSE EN 13765:2010

HEAVY DUTY										STANDARD DUTY										Code	CHEM 700 HD PZ	CHEM 700 HD PX	CHEM SD PZ	CHEM SD PX
Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight		Maximum Length	Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight		Maximum Length					
mm	Inch	Bar	P.S.I.		mm	Inch	Kg. / mt	Mt.		Feet	mm	Inch	Bar		P.S.I.	mm	Inch	Kg. / mt		Mt.	Feet			
25	1"	15	200	4:1	80	3	0,77	40	132	25	1"	10	150	4:1	80	3	0,75	40	132	Applications	Heavy Duty Chemicals/ Solvents liquid transfer		Standard Duty Chemicals/ Solvents liquid transfer	
32	1 1/4"	15	200	4:1	100	4	1,05	40	132	32	1 1/4"	10	150	4:1	100	4	0,90	40	132	Colour	Green			
40	1 1/2"	15	200	4:1	125	5	1,1	40	132	40	1 1/2"	10	150	4:1	100	4	1,04	40	132	Temperature	-40 +100°C		-30 +80°C	
50	2"	15	200	4:1	150	6	1,6	40	132	50	2"	10	150	4:1	125	5	1,56	40	132	Inner wire	PP Coated Steel	PP Coated Steel	PP Coated Steel	PP Coated Steel
65	2 1/2"	15	200	4:1	180	7	2,1	40	132	65	2 1/2"	10	150	4:1	150	6	1,87	40	132					
75/80	3"	15	200	4:1	200	8	2,5	40	132	75/80	3"	10	150	4:1	180	7	2,23	40	132	Outer wire	Galv.Steel	St.Steel	Galv.Steel	St.Steel
100	4"	15	200	4:1	265	10.5	3,6	40	132	100	4"	10	150	4:1	250	10	3,62	40	132					

EXTRAOIL HOSE EN 13765:2010

HEAVY DUTY										STANDARD DUTY										Code	OIL HD ZZ	OIL HD ZX	OIL SD ZZ	OIL SD ZX
Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight		Maximum Length	Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight		Maximum Length		Applications	Heavy Duty Fuel / Oil liquid transfer		Standard Duty Fuel / Oil liquid transfer
mm	Inch	Bar	P.S.I.		mm	Inch	Kg. / mt	Mt.	Feet	mm	Inch	Bar	P.S.I.		mm	Inch	Kg. / mt	Mt.	Feet	Applications	Heavy Duty Fuel / Oil liquid transfer		Standard Duty Fuel / Oil liquid transfer	
25	1"	15	200	4:1	80	3	0,77	40	132	25	1"	10	150	4:1	80	3	0,75	40	132	Colour	Blue			
32	1 1/4"	15	200	4:1	100	4	1,05	40	132	32	1 1/4"	10	150	4:1	100	4	0,90	40	132	Temperature	-40 +100°C		-30 +80°C	
40	1 1/2"	15	200	4:1	125	5	1,1	40	132	40	1 1/2"	10	150	4:1	100	4	1,04	40	132					
50	2"	15	200	4:1	150	6	1,6	40	132	50	2"	10	150	4:1	125	5	1,56	40	132	Inner wire	Galv.Steel	Galv.Steel	Galv.Steel	Galv.Steel
65	2 1/2"	15	200	4:1	180	7	2,1	40	132	65	2 1/2"	10	150	4:1	150	6	1,87	40	132					
75/80	3"	15	200	4:1	200	8	2,5	40	132	75/80	3"	10	150	4:1	180	7	2,23	40	132	Outer wire	Galv.Steel	St.Steel	Galv.Steel	St.Steel
100	4"	15	200	4:1	265	10.5	3,6	40	132	100	4"	10	150	4:1	250	10	3,62	40	132					

EXTRALON - PTFE HOSE EN 13765:2010

HEAVY DUTY										STANDARD DUTY										Code	PTFE HD XX	PTFE HD XZ	PTFE SD XX	PTFE SD XZ
Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight		Maximum Length	Size		Maximum W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight		Maximum Length					
mm	Inch	Bar	P.S.I.		mm	Inch	Kg. / mt	Mt.		Feet	mm	Inch	Bar		P.S.I.	mm	Inch	Kg. / mt		Mt.	Feet			
25	1"	15	200	4:1	80	3	0,77	40	132	25	1"	10	150	4:1	80	3	0,75	40	132	Applications	Heavy Duty Aggressive Chemicals liquid transfer	Standard Duty Aggressive Chemicals liquid transfer		
32	1 1/4"	15	200	4:1	100	4	1,05	40	132	32	1 1/4"	10	150	4:1	100	4	0,90	40	132	Colour	Red			
40	1 1/2"	15	200	4:1	125	5	1,1	40	132	40	1 1/2"	10	150	4:1	100	4	1,04	40	132	Temperature	-40 +125°C	-30 +80°C		
50	2"	15	200	4:1	150	6	1,6	40	132	50	2"	10	150	4:1	125	5	1,56	40	132	Inner wire	St.Steel	St.Steel	St.Steel	St.Steel
65	2 1/2"	15	200	4:1	180	7	2,1	40	132	65	2 1/2"	10	150	4:1	150	6	1,87	40	132		Outer wire	St.Steel	Galv.Steel	St.Steel
75/80	3"	15	200	4:1	200	8	2,5	40	132	75/80	3"	10	150	4:1	180	7	2,23	40	132					
100	4"	15	200	4:1	265	10.5	3,6	40	132	100	4"	10	150	4:1	250	10	3,62	40	132					

DNV Det Norske Veritas Cert. n. CERT-04193-99-AQ IND-SINCERT
 EN 13765:2010, approved from CEN
 Directive 97/23/CE "PED" with operating Procedures certified from DNV - CE PED 07.0056.06/2585
 Directive 94/9/CE "ATEX" hose for explosive atmospheres, Cert. held by DNV Rec. nr. CE ATE 08.0117.06/2617 - (AS 2430.1-1987)
 BS 5842:1980 (Conf. 1986)
 BS 3492:1987
 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:

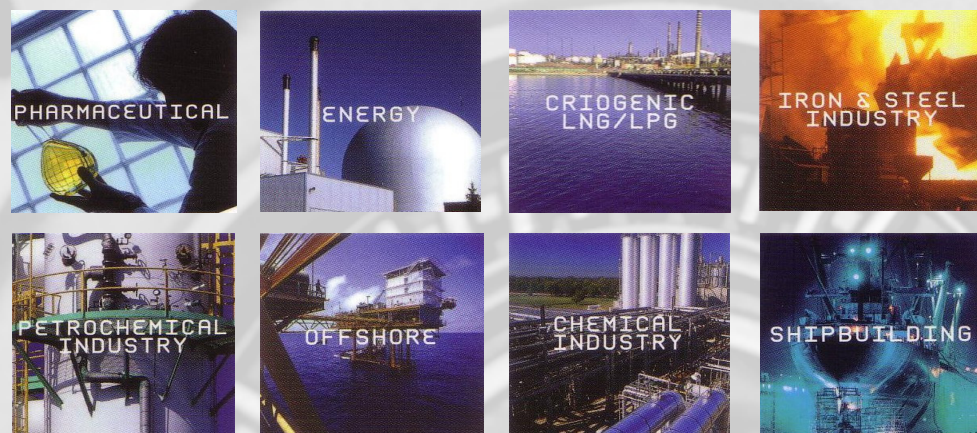
BS 5173-102.10:1990 section 102.10 - (EN ISO 1402)
 AS1180.5-1999 (method 5)
 AS 1180.13B (Electrical resistance)
 AS1180.13C (Electrical continuity)

Type Approval

Lloyd's Register Type Approved - Cert. N° 13/00002
 DNV - Det Norske Veritas - Type Approval Cert. N° P-12369
 RINA - Registro Italiano Navale - Cert. N° MAC/81398/1/TO/99
 Russian Maritime Register of Shipping
 IBC Code Chapter 5 - Ship's Cargo hoses
 IMO Chemical Carrier Code - Paragraphs 2:12 and 5:7

Welding Process

in according to EN 15608:2005 - EN 439:1996 - EN 15614-1:2005 - EN 6848:2005 - EN 12072:2001 certified by DNV - Det Norske Veritas
 in according to ASME IX certified by RINA



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COMPOTEC®