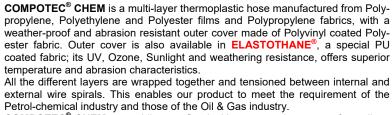




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Petrol-chemical industry and those of the Oil & Gas industry. COMPOTEC® CHEM assemblies are fitted with an extensive range of couplings readily available, externally swaged with crimping ferrules.

COMPOTEC® CHEM assemblies are tested at 1 1/2 times rated working pressures for safety and reliability, in accordance with EN ISO 1402. 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® CHEM hoses can be supplied in the FIRETEC version with ADR self-estinguish CL1 cover and additional fireproof layers.

Burst pressure indicated, is at ambient temperature when tested in accordance with EN ISO 1402.

Electrical continuity is achieved by the two wires bonded to the end fittings; this helps dissipate accumulated charge and to avoid static flash. Upon request it's possibile to manufacture **COMPOTEC**® **CHEM** hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover and ground connection cable, for explosive environment.

COMPOTEC® CHEM 700 HD and CHEM SD are chemically compatible and mechanically engineered to handle a wide range of hazardous chemicals. Extremely flexible, easy to handle and bend, all hoses are 100% aromatic resistant, antistatic and can be used for suction or discharge. Vacuum rating is 0,9 bar, according to the EN ISO 7233 method B.

# **CHEM 700 HD - HEAVY DUTY**

Applications: Heavy Duty construction for the transfer of a wide range of chemicals under suction or pressure. Used for Ship to Shore and Ship to Ship, Dockside and in general for the most ardous Industrial and Marine applications. 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, Polivinyl coated polyester cover fabric, (or **ELASTOTHANE**® upon request) weather and ozone resistant. Available in 40 mt coils from 3/4" to 8" and 25 mt length up to 12".

COMPOTEC® CHEM 700 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 Par. 2:12 and 5:7 of the IMO Chemical Carrier Code. CHEM 700 HD hoses are Type approved by Lloyd's with Certificate n° 13/002.

# **CHEM SD - STANDARD DUTY**

**Applications**: General purpose Standard Duty 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 1/2" up to 8".

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

### **VAPORCHEM LD - LIGHT DUTY**

Applications: General purpose Light Duty hose, is ideal for use for petrochemical vapor recovery systems in Ship to Shore, Ship to Ship, bottom loading and tank truck operations.

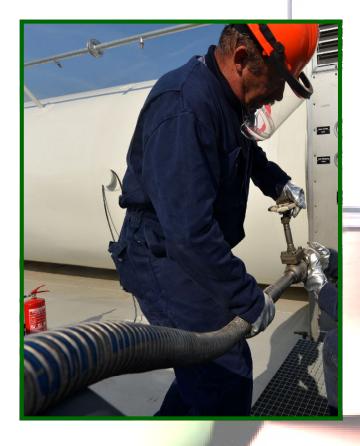
Complies with USCG Marine Vapour control system 33CFR Part 154.810

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









## **HEAVY DUTY CHEMICAL SUCTION & DISCHARGE HOSE EN 13765:2015 TYPE 3**

Size		Working Pressure Bar / PSI		Bend Radius EN ISO 1746	Weight	Length	
mm	Inch	SF 4:1	SF 5:1	mm	Kg. / mt	Mt.	
20	3/4"	20 / 300	16 / 230	75	0,63	40	
25	1"	20 / 300	16 / 230	100	0,77	40	
32	1 1/4"	20 / 300	16 / 230	125	1,05	40	
40	1 1/2"	20 / 300	16 / 230	140	1,33	40	
50	2"	20 / 300	16 / 230	180	2,04	40	
65	2 1/2"	20 / 300	16 / 230	220	2,75	40	
75/80	3"	20 / 300	16 / 230	280	3,15	40	
100	4"	20 / 300	16 / 230	400	4,74	40	
125	5"	20 / 300	16 / 230	485	7,25	40	
150	6"	20 / 300	16 / 230	575	10,00	40	
200	8"	20 / 300	16 / 230	800	12,85	40	
250	10"	20 / 300	16 / 230	1000	23,85	25	
300	12"	20 / 300	16 / 230	1200	31,69	25	

# **CHEM 700 HD**

CHEM SD

Code	CHEM 700HD PZ	CHEM 700HD PX	CHEM 700HD XZ	CHEM 700HD XX		
Applications	Heavy Duty Chemicals/Solvents liquid transfer					
Colour	Green					
Temperature	-40 +100°C					
Inner wire	PP Coated Steel	PP Coated Steel	St.Steel	St.Steel		
Outer wire	Galv.Steel	St.Steel	Galv.Steel	St.Steel		

## STANDARD DUTY CHEMICAL SUCTION & DISCHARGE HOSE EN 13765:2015 TYPE 2

	Size		Working Pressure Bar / PSI		Bend Radius EN ISO 1746	Weight	Length	
	mm	Inch	SF 4:1	SF 5:1	mm	Kg. / mt	Mt.	
	40	1 1/2"	14 / 200	10 / 150	100	1,04	40	
	50	2"	14 / 200	10 / 150	150	1,56	40	
	65	2 1/2"	14 / 200	10 / 150	200	1,87	40	
	75/80	3"	14 / 200	10 / 150	250	2,23	40	
	100	4"	14 / 200	10 / 150	300	3,62	40	
	125	5"	14 / 200	10 / 150	401	5,40	40	
-	150	6"	14 / 200	10 / 150	500	8,91	40	
	200	8"	14 / 200	10 / 150	740	11,16	40	

		100				
Code	CHEM SD PZ	CHEM SD PX	CHEM SD XZ	CHEM SD XX		
Applications	Standard Duty Chemicals/Solvents liquid transfer					
Colour	Green					
Temperature	-30 +80°C					
Inner wire	PP Coated Steel	PP Coated Steel	St.Steel	St.Steel		
Outer wire	Galy Steel	St Steel	Galy Steel	St Steel		

# LIGHT DUTY CHEMICAL VAPOURS SUCTION AND DISCHARGE HOSE EN 13765:2015 TYPE 1

Size		Maximum W.P.		Vacuum rating	Bend Radius EN ISO 1746	Weight	Maximum Length	
mm	Inch	Bar	P.S.I.	Bar	mm	Kg. / mt	Mt.	
40	1 1/2"	5	70	0,7	100	1,01	40	
50	2"	5	70	0,7	150	1,33	40	
65	2 1/2"	5	70	0,7	200	1,85	40	
75/80	3"	5	70	0,7	250	2,13	40	
100	4"	5	70	0,7	300	2,97	40	
125	5"	5	70	0,7	400	5,25	40	
150	6"	5	70	0,7	500	6,83	40	
200	8"	5	70	0,7	740	9,91	40	
250	10"	5	70	0,7	1000	14,79	25	
300	12"	5	70	0,7	1200	19,96	25	

# VAPORCHEM LD

Code	VAPORCHEM PZ	<b>VAPORCHEM PX</b>	VAPORCHEM XZ	VAPORCHEM XX		
Applications	Light Duty Chemicals/Solvents Vapours					
Colour	Yellow					
Temperature	-30 +80°C					
Inner wire	PP Coated Steel	PP Coated Steel	St.Steel	St.Steel		
Outer wire	Galv.Steel	St.Steel	Galv.Steel	St.Steel		

DNV Det Norske Veritas Cert. n. CERT-04193-99-AQ IND-SINCERT EN 13765:2015, approved from CEN Directive 2014/68/EU "PED" with operating Procedures certified from DNV - CE PED 117361-2012-CE-ITA-ACCREDIA 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) 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 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 9606-1:2013 EN 6848:2005 - EN 12072:2001 certified by DNV - Det Norske Veritas in according to ASME IX certified by RINA



# **CHEMICALS**





Listed Provider

