



# CHEM MARINE 707



<b>COLOUR</b>	Green
<b>WIRES</b>	Antistatic Polypropylene coated mild steel internal wire (P)
	Galvanised steel external wire (Z)
	Also available with 304 Stainless Steel internal or external wires (X), 316 on request
<b>CONSTRUCTION</b>	<p>COMPOTEC® CHEM MARINE 707 is a multi-layer thermoplastic hose manufactured with extra Polypropylene, Polyethylene and Polyester films and Polypropylene fabrics, with a weather-proof and abrasion resistant outer cover made of Polymeric coated Polyester fabric. Outer cover is also available in a special PU coated fabric; its UV, Ozone, Sunlight and weathering resistance, offers superior temperature and abrasion characteristics.</p> <p>All the different layers are wrapped together and tensioned between internal and external wire spirals of bigger diameter and higher density. This enables our product to maintain extreme flexibility with tremendous strength and durability.</p>



## CHARACTERISTICS AND APPLICATIONS

COMPOTEC® CHEM MARINE 707 is manufactured according to the requirement specified by the European Standards EN 13765:2003 Type 3 (BS 5842:1980), and in accordance with the recommendations of NAHAD Guidelines (NAHAD 600/2005).

COMPOTEC® MARINE hose assemblies have been independently tested and type approved to the requirements of International Standards. COMPOTEC® MARINE 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® MARINE HOSES has been approved with "Type Approval Certificate":

- D N V Det Norske Veritas - Cert. N° P-10629
- RINA Registro Italiano Navale - Cert. N° MAC/81398/1/TO/99

**Flexible, easy to handle and bend, COMPOTEC® CHEM MARINE 707 is an heavy duty hose for the transfer of a wide variety of chemicals under suction or pressure. CHEM MARINE 707 hoses are used for ship to shore and ship to ship, dockside and general shipboard use.** 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. COMPOTEC® CHEM MARINE 707 assemblies are fitted with an extensive range of couplings readily available, externally swaged with Stainless Steel or Carbon Steel ferrules.

## SAFETY

COMPOTEC® CHEM MARINE 707 assemblies are tested at 1 ½ times rated working pressures for safety and reliability, in accordance with BS 5842:1980 clause 6.4 (EN ISO 1402). The securing ferrule, at one end of the hose, is permanently marked by embossing, with manufacturer's name, nominal bore, serial number and the test date. Full test certification can be supplied on request. COMPOTEC® CHEM MARINE 707 hoses can be supplied on request in the FIRETEC Version with ADR self-extinguish CL2 Cover.

Burst pressure indicated, is at ambient temperature when tested in accordance with BS 5173 section 102.10:1990 (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. The electric resistance of hose assemblies is less than 10 ohms, as required by BS 5842:1980 clause 6.2 (EN ISO 8031). Upon request it's possible to manufacture CHEM MARINE hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover. Hose assemblies can also be provided electrical discontinuous to suit the application.

### AS = Special Antistatic Coating

Outer cover is also available in a special BLACK ANTISTATIC compound which guarantee unique safety and charge dissipating characteristics.

<b>TEMPERATURE RANGE</b>	- 40 °C + 100° C
<b>HOSE MARKING</b>	COMPOTEC® - CHEM MARINE - EN 13765 TYPE 3 – PN 15 – 100°C – PP – Quarter/year of hose manufacture

Size		Maximum W.P.		Min. Burst (EN ISO 1402)		Bend Radius (EN ISO 1746)		Weight		Maximum Length	
mm	Inch	Bar	P.S.I.	Bar	P.S.I.	mm.	Inch	Kg / mt.	Lb/Ft	Mt	Feet
100	4"	15	200	75	1000	400	16	5,2	3.5	35	120
150	6"	15	200	75	1000	500	20	10,8	7.2	20	65
200	8"	15	200	75	1000	740	29	14,5	9.9	20	65
250	10"	15	200	75	1000	1000	40	24,10	17.0	12	40

- All hoses are available in an assortment of colours and it is possible, on request, and with a minimum purchase order, to add a "customer labelling" or "product labelling" to the outside wall
- Burst pressure indicated is at ambient temperature. Maximum temperature rating can only be maintained when working within limits of working pressure
- Each hose assembly is permanently marked on the ferrule at one end according to EN 13765:2003 clause 10.1 – 10.2