



# HITEMP 305



<b>COLOUR</b>	Black
<b>WIRES</b>	AISI 304 Stainless steel internal wire (X)
	Galvanised carbon steel external wire (Z)
	Also available with 304 Stainless Steel external wire (X), 316 on request.
<b>CONSTRUCTION</b>	COMPOTEC® HITEMP 305 is a multi-layer thermoplastic hose designed around several PTFE (Polytetrafluoroethylene) liners, supported by a Stainless Steel inner wire, and reinforced with films and fabrics specifically designed for high temperature applications. All the different layers are wrapped together and tensioned between internal and external wire spirals. COMPOTEC® HITEMP 305 includes in the construction an FEP tubular extruded film, to avoid any possible leak and guarantee a gas-tight construction.



## CHARACTERISTICS AND APPLICATIONS

COMPOTEC® HITEMP 305 is manufactured according to the requirement specified by the European Standards EN 13765:2003 Type 4 (BS 5842:1980), and in accordance with the recommendations of NAHAD Guidelines (NAHAD 600/2005).

**Specifically designed as an hose for the transfer of hot oil and bitumen under positive or negative pressures, HITEMP 305 hose are used in such applications as transfer for rail and road tanker loading and unloading, storage tank and in-plant use.** Extremely flexible, easy to handle and bend, even at very high or very low outdoor temperatures. 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. **Thanks to the inner PTFE construction, nothing sticks to the inner wall of the hose, and due to absence of inner corrugations or convolutions, (smooth body), nothing will remain trapped in it.** COMPOTEC® HITEMP 305 assemblies are fitted with an extensive range of couplings readily available, externally swaged with Stainless Steel ferrules.

## SAFETY

COMPOTEC® HITEMP 305 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, the hose assembly serial number and the last test date of the hose. Full test certification can be supplied on request.

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).

<b>TEMPERATURE RANGE</b>	- 40 °C + 200° C
<b>HOSE MARKING</b>	COMPOTEC® - HITEMP 305 - EN 13765 TYPE 4 – PN 15 – 200°C – PTFE – 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
20	¾"	15	200	75	1000	150	6	1,1	0.7	35	120
25	1"	15	200	75	1000	200	8	1,2	0.8	35	120
32	1 ¼"	15	200	75	1000	200	8	1,6	1.1	35	120
40	1 ½"	15	200	75	1000	200	8	2,0	1.3	35	120
50	2"	15	200	75	1000	225	9	2,9	1,9	35	120
65	2 ½"	15	200	75	1000	225	9	3,8	2.5	35	120
75	3"	15	200	75	1000	300	12	4,7	3.1	35	120
80	3 5/32"	15	200	75	1000	350	14	5,1	3.4	35	120
100	4"	15	200	75	1000	400	16	6,9	4.6	35	120
150	6"	15	200	75	1000	575	23	15,1	10.1	20	65
200	8"	15	200	75	1000	800	32	22,5	15.0	20	65
250	10"	12	170	60	850	1000	40	31,0	20.7	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