

Composite hoses BLH for bottom loading



BLH Bottom Loading hose is a strong, robust and low elongation hose, suitable for the most demanding applications such as Loading arms and hose towers in the transfer of :

- A wide variety of acids and solvents, (**BLH CHEM**)
- Aggressive chemicals (**BLH PTFE**)
- Hydrocarbon products including fuel oils, gasoline, diesel, lubricating oils, kerosene, MTBE and 100% aromatics (**BLH OIL**)

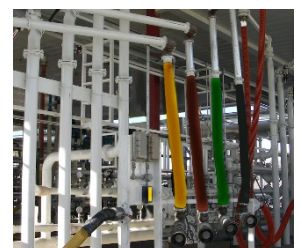
The major advantage of a BOTTOM LOADING hose versus a traditional loading arm is that it has a minimum number of connections, therefore eliminating much of the potential leak problems and most of all, minimizing the general cost. Assemblies are suitable for use at vacuum u/t 0,9 bar.

Extra strength at low elongation is achieved by an **ARAMEX** reinforcement, polypropylene films and fabrics, high density polyethylene films reinforcement, and polyester film barrier layers. PVC coated polyester fabric cover, fire resistant, abrasion, weather and ozone resistant form the outer skin. On request, special PU based **ELASTAR** cover is available for superior resistant in the marine environment.

BLH PTFE is designed around a pure PTFE or NANOTEC® (Patented design) liner on request, which offers superior resistance to aggressive chemicals.

All **BLH** assemblies are tested at 1½ 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.

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



According to BS 3492:1987, **BLH** hoses meet the requirements for type AX & BX, for all products included in "Class 1". This series can be supplied as **FIRETEC** version to meet the fire retardant performance criteria acc. to EN 13765:2010, Annex G and with ADR characteristics CL1 by utilising a number of fire retardant barriers and an outer cover made of special coated, self-extinguishing fabric.

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All hoses meet EN, CE, AS, U.S. Coast Guard requirements, NAHAD Guidelines and are Lloyd's and DNV approved.

Code	CHEM BLH			OIL BLH			PTFE BLH	
Applications	Fuel / chemical transfer							
Colour	Black							
Temperature	-40 / +100°C							
Code	PZ	PX	XX	ZZ	ZX	XZ	XX	
Inner wire	PP coated	PP coated	st. steel	galv. steel	galv. steel	st. steel	st. steel	
Outer wire	galv. steel	st. steel	st. steel	galv. steel	st. steel	galv. steel	st. steel	



Size		Max working pressure		Safety factor	Bend radius EN/ISO 1746		Weight kg / m	Max length	
mm	Inch	bar	P.S.I.		mm	inch		m	Feet
50	2"	15	200	5:1	150	6 ½	2,50	40	132
65	2 ½"	15	200	5:1	175	7	3,50	40	132
75/80	3"	15	200	5:1	200	8	4,00	40	132
100	4"	15	200	5:1	360	14	5,80	40	132
150	6"	15	200	5:1	500	20	12,50	40	132
200	8"	15	200	5:1	800	32	17,50	40	132
250	10"	15	200	5:1	1000	40	25,00	25	82
300	12"	15	200	5:1	1200	48	35,00	25	82



Burst pressure indicated is at ambient temperature. Maximum temperature rating can only be maintained when working within limits of working pressure.
We reserve the right to change specification without prior notice !