

BLH HOSE

COMPOTEC®

RECOMMENDED FOR :

- ☐☐ BOTTOM LOADING INSTALLATIONS
- ☐☐ FLEXIBLE HOSE TERMINAL FOR LOADING ARMS
- ☐☐ HOSE TOWERS
- ☐☐ TANK TRUCKS BOTTOM LOADING OPERATIONS
- ☐☐ FIRETEC EXECUTION

SPECIAL REINFORCEMENT FOR MINIMAL ELONGATION

Applications

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

- A wide variety of acids and solvents, (BLH CHEM)
- Aggressive chemicals (BLH PTFE)
- Hydrocarbon products including fuel oils, diesel, leaded and unleaded gasoline, 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 does have a minimum number of connections, therefore eliminating much of the potential leak problems, minimizing the general costs.

Construction

A specially **FIRETEC** designed hose for bottom loading applications having flame-resistant fabric under outer cover.

Extra strong / low elongation **ARAMEX** reinforcement, polypropylene films and fabrics, high density polyethylene films reinforcement, and Polyester film barrier layers.

PVC coated polyester fabric cover, fire resistant CL1, abrasion, weather and ozone resistant.

On request, special **ELASTAR** outer PU based cover is available for superior abrasion and weather resistance, or in the Marine environments. COMPOTEC® BLH PTFE, is constructed around a pure PTFE inner liner or **NANOTEC**® (PATENT n. IT 0281052) liner on request, for superior resistance to aggressive chemicals.

Specifications

Temperature range from -40°C to + 100°C
W.P. 15 Bar - Safety factor 5:1

COMPOTEC®BLH hose 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 embossing, with manufacturer's name, nominal bore, serial number and the test date. Full test certification, including Electrical continuity test, can be supplied on request.

Burst pressure indicated, is at ambient temperature when tested in accordance with EN ISO 1402 (BS 5173 section 102.10:1990).

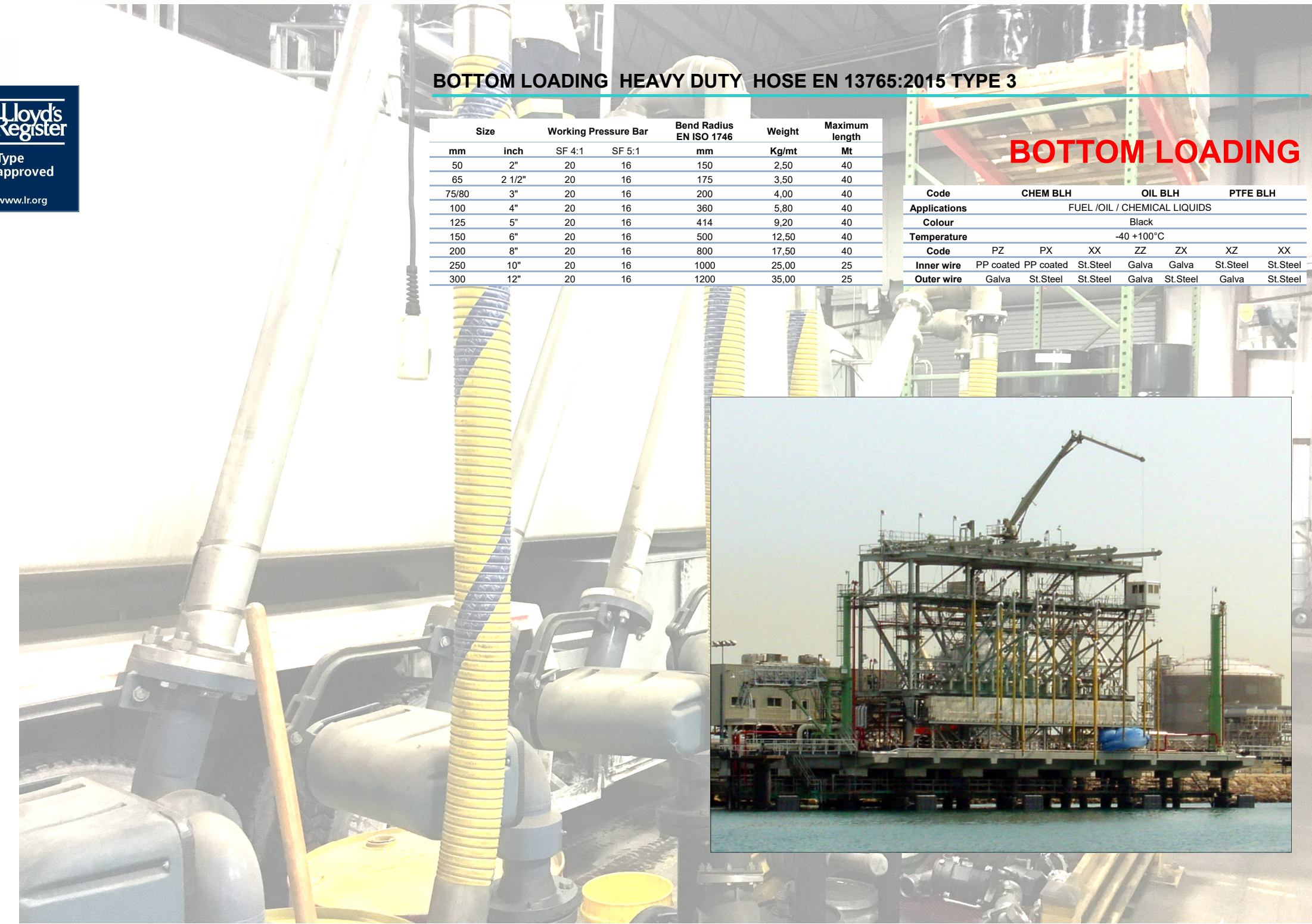
Electrical continuity is achieved by the two wires bonded to the end fittings, this helps dissipate accumulated charge and to avoid static flash. The electric resistance of hose assemblies is less than 1 ohm/mt, as required by EN ISO 8031:2009, 4.7. Upon request it's possible to manufacture COMPOTEC®BLH hoses in accordance to the Directive 94/9/EC "ATEX", with a special outer antistatic black cover and cable for ground connection.

Assemblies are suitable for use with a vacuum not exceeding 0.9 Bar. According to the Standard BS 3492:1987 description, COMPOTEC® BLH hose meets the requirements for type AX & BX, for all products included in "Class 1".

COMPOTEC®BLH hoses are always supplied in the **FIRETEC** version to meet the Fire retardand performance criteria acc. to European Standards EN 13765:2010 Normative, Annex G, and with ADR self-extinguish CL1 characteristics.

FIRETEC hose utilize a series of fire retardand barriers and an outer cover made of special ADR self extinguish CL 1 coated fabric.

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



BOTTOM LOADING HEAVY DUTY HOSE EN 13765:2015 TYPE 3

Size		Working Pressure Bar		Bend Radius EN ISO 1746	Weight	Maximum length
mm	inch	SF 4:1	SF 5:1	mm	Kg/mt	Mt
50	2"	20	16	150	2,50	40
65	2 1/2"	20	16	175	3,50	40
75/80	3"	20	16	200	4,00	40
100	4"	20	16	360	5,80	40
125	5"	20	16	414	9,20	40
150	6"	20	16	500	12,50	40
200	8"	20	16	800	17,50	40
250	10"	20	16	1000	25,00	25
300	12"	20	16	1200	35,00	25

BOTTOM LOADING

Code	CHEM BLH	OIL BLH	PTFE BLH				
Applications	FUEL /OIL / CHEMICAL LIQUIDS						
Colour	Black						
Temperature	-40 +100°C						
Code	PZ	PX	XX	ZZ	ZX	XZ	XX
Inner wire	PP coated	PP coated	St.Steel	Galva	Galva	St.Steel	St.Steel
Outer wire	Galva	St.Steel	St.Steel	Galva	St.Steel	Galva	St.Steel

