

Composite hoses EXTRAFLEX



Our range of composite hoses is very comprehensive and covers the majority of applications. However, every customer is different and so there are some applications where a standard hose may not always be suitable. The design department used all of its experience to develop a number of special hose types to cope with challenging mechanically or chemically conditions.

The **EXTRAFLEX series** is a range of hoses specially designed for a reduced bending radius, while maintaining the same pressure and temperature resistance as our standard hose types. This was made possible by use of the latest nanotechnology polymers – thinner, but with higher performances, both in terms of mechanical and chemical resistance.

EXTRACHEM

Applications : Extra flexible general purpose hose suitable for the safe transfer of a wide variety of chemicals under suction or pressure. Commonly used for loading and unloading of road or rail tankers and storage tank as well as general in-plant handling. This type is especially suitable as flexible terminal hose for top-loading arms.

Two versions, HD (Heavy Duty) acc. to EN 13765 Type 3, and SD (Standard Duty) acc. to EN 13765 Type 2 are available in length u/t 40m.

EXTRACHEM HOSE EN 13765:2010

Code	EXTRACHEM HD PZ	EXTRACHEM HD PX	EXTRACHEM SD PZ	EXTRACHEM SD PX
Applications	Heavy duty chemical + solvent transfer		Stand. duty chemical + solvent transfer	
Colour	Green			
Temperature	-40 / +100°C		-30 / +80°C	
Inner wire	PP coated steel	PP coated steel	PP coated steel	PP coated steel
Outer wire	galv. steel	st. steel	galv. steel	st. steel



EXTRAOIL

Applications : a wide variety of hydrocarbons, including fuel oils, petrol, diesel, lubricating oils, kerosene, MTBE and 100% aromatics under suction or pressure. Commonly used for loading and unloading of road or rail tankers and storage tank as well as general in-plant handling. Both versions, HD (Heavy Duty) acc. to EN 13765 Type 3, and SD (Standard Duty) acc. to EN 13765 Type 2 are available in length u/t 40m.

EXTRAOIL HOSE EN 13765:2010

Code	EXTRAOIL HD PZ	EXTRAOIL HD PX	EXTRAOIL SD PZ	EXTRAOIL SD PX
Applications	Heavy duty oil + fuel transfer		Stand. duty oil + fuel transfer	
Colour	Blue			
Temperature	-40 / +100°C		-30 / +80°C	
Inner wire	galv. steel	galv. steel	galv. steel	galv. steel
Outer wire	galv. steel	st. steel	galv. steel	st. steel



EXTRALON

Applications : Extra flexible general purpose hose for the safe transfer of aggressive chemicals under suction or pressure, where the chemical resistance of polypropylene is insufficient. This type is commonly in use for loading and unloading of road or rail tankers and storage tank as well as general in-plant handling. It is available in 40 m coils and diameters from 1" up to 4" and in two versions, HD (Heavy Duty) acc. to EN 13765 Type 3 with first inner layer in pure PTFE tape, and SD (Standard Duty) acc. to EN 13765 Type 2, with first inner layer in ECTFE Film.

EXTRALON PTFE HOSE EN 13765:2010

Code	EXTRALON HD XX	EXTRALON HD XZ	EXTRALON SD XX	EXTRALON SD XZ
Applications	Heavy duty aggressive chem. transfer		Stand. duty aggressive chem. transfer	
Colour	Red			
Temperature	-40 / +100°C		-30 / +80°C	
Inner wire	st. steel	st. steel	st. steel	st. steel
Outer wire	st. steel	galv. steel	st. steel	galv. steel



Type
approved

www.lr.org

All hoses are 100% antistatic - electrically continuous by the two wires bonded to the end fittings - and meet EN, CE, AS, U.S. Coast Guard requirements and NAHAD Guidelines, are Lloyds and DNV approved and ATEX certificate can be released on request. All assemblies are tested at 1½ times rated working pressures and engraved with manufacturer's name, nominal bore, the hose assembly serial number and the test date in compliance with PED directive (97/23/ CE). Full test certification can be supplied on request.

General data EXTRAFLEX SERIES

Standard duty									
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
25	1"	10	150	4:1	80	3	0,75	40	132
32	1 ¼"	10	150	4:1	100	4	0,90	40	132
40	1 ½"	10	150	4:1	100	4	1,04	40	132
50	2"	10	150	4:1	125	5	1,56	40	132
65	2 ½"	10	150	4:1	150	6	1,87	40	132
75/80	3"	10	150	4:1	180	7	2,23	40	132
100	4"	10	150	4:1	250	10	3,62	40	132

Heavy duty									
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
25	1"	15	200	4:1	80	3	0,77	40	132
32	1 ¼"	15	200	4:1	100	4	1,05	40	132
40	1 ½"	15	200	4:1	125	5	1,1	40	132
50	2"	15	200	4:1	150	6	1,6	40	132
65	2 ½"	15	200	4:1	180	7	2,1	40	132
75/80	3"	15	200	4:1	200	8	2,5	40	132
100	4"	15	200	4:1	265	10 ½	3,6	40	132

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 !

