

CRYOGENIC HOSE

Cryogenic 50 Series:

4014SS, 4011SG

Typical Applications:

- Tank truck and Railcar LPG transfers
- In plant LPG or LNG transfers
- Marine LPG and LNG transfer
- Suitable for a wide variety of cryogenic fluids
- 20" LNG vessel-to-vessel transfer

Cryogenic 200 Series:

4004SS

Benefits and Features

- Flexible user friendly liquid gas hose
- Remains flexible during cold conditions
- Manufactured to IMO Gas Carrier Code
- 4004SS certified to EN00218061
- MAWP based on 5:1 safety factor

LB/FTMAX. #4004SS	MAX. MAWP NOMINAL ID (KG/M)	MIN. BEND PSI (BAR) LENGTHS	RADIUS IN. IN. (MM)	MAX. MAWP TEMP. RATING #4014SS	PSI (BAR) (MM)	TEMP. RATING #4014SS	WEIGHT #4004SS
1" (25)	362 (25)	6 (150)	-50c to +50c	150 (10.5)	-200c to +50c	.6 (.9)	50
1.5" (38)	362 (25)	7 (175)	-50c to +50c	150 (10.5)	-200c to +50c	1.1 (1.6)	50
2" (50)	362 (25)	8 (200)	-50c to +50c	150 (10.5)	-200c to +50c	1.6 (2.4)	50
3" (75)	362 (25)	10 (250)	-50c to +50c	150 (10.5)	-200c to +50c	3.0 (4.5)	50
4" (100)	300 (21)	20 (500)	-50c to +50c	150 (10.5)	-200c to +50c	5.0 (7.5)	50
6" (150)	300 (21)	25 (660)	-50c to +50c	150 (10.5)	-200c to +50c	9.3 (13.8)	45
8" (200)	215 (15)	36 (910)	-50c to +50c	150 (10.5)	-200c to +50c	12.5 (18.7)	40

Nominal Dimensional Chart

MAWP at 5:1 safety factor

HOSE END ATTACHMENT FITTINGS

The end fittings in Willcox hose assemblies are engineered with end user safety as the primary objective. All fittings are subjected to a stringent quality control, inspection and traceability program. Fittings from sources other than

Willcox are not approved as they may be a source of a catastrophic failure. Willcox assemblies exceed and/or conform to NAHAD 600:2005 "Hose Assembly Guidelines" and British Standards BS5842 (1980).

HOSE SIZE	FERRULES		MALE PIPE				CAM & GROOVE			FIXED 150# OR 300# FLANGES		SWIVEL 150# OR 300# FLANGES		Polyprop. 150# Flanges	PLAIN AND VICTAULIC ENDS	
	CS	SS	CS	SS	BR	POLY	ALUM	SS	BR	CS	SS	CS	SS		CS	SS
1"	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓
1.5"	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓
2"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4"	✓	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓
6"	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓
8"	✓	✓	✓	✓						✓	✓	✓	✓		✓	✓
10"	✓	✓	✓	✓						✓	✓	✓	✓		✓	✓
12"	✓	✓	✓	✓						✓	✓	✓	✓		✓	✓

Notes:

- SS ferrules are stocked as SS304. SS316 are available with minimum quantities per order required.
- All SS male pipe and cam & groove fittings are type SS316.
- 2" and 3" SS316 female cam & groove fittings are Dixon Ez-Lock™ locking style camlocks.
- Sanitary style end fittings and other custom fittings are available upon request.
- SS fixed or swivel (floating) flange ends are available in either SS304 or SS316 material. Must specify when ordering.
- Willcox stub ends for swivel or lap joint flange ends are made from either sch 40 carbon steel or SS316 materials.

- Polypropylene style flange ends are threaded and back-welded.
- Plain end fittings are available, but require additional fittings for testing when ordered in a assembly.
- Additional alloys such as; Hastelloy®, Monel® and Kynar® upon request.

Visit www.ushosecorp.com for more Willcox product information, additional hose styles and applications

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