

WILLCOX HOSE

4004SSN



Cryoflex® 200 Cryogenic

Composite Hose Type 4004SSN

Applications: This type is designed for use the safe transfer of fully refrigerated conveyants down to -321°F (-196°C) in road and railcar, in plant and ship-to-shore or ship-to-ship transfer applications including the following LNG Acetaldehyde, Ammonia (anhydrous), Butadiene, Butane/Propane, Butylene, Ethylamine, Ethylamine, Polypropylene, Refrigerant Gasses, Vinyl Chloride.

Construction:

- Color/Cover: White Nylon (rope lagging for extra protection and insulation available)
- Inner Wire: T316 Stainless Steel
- Inner lining: High Grade Nylon and Polyester
- Carcass: Polyamide, Nylon fabrics and BOPP films
- Outer Wire: T316 Stainless Steel
- Logo: Cryoflex® 200

Physical properties:

- Temperature Range: -321°F to $+122^{\circ}\text{F}$ (-196°C to $+50^{\circ}\text{C}$)
- Maximum elongation: $\leq 10\%$ on test pressure
- Vacuum range: 126 inHg (660 mmHg), 0.9 bar
- Electrical properties: Electrically Conductive ≤ 1.0 ohm/m for size 2"

Standards: EN13766:2010, USCG 33CFR 127.1102

End Fittings: Specially designed end fittings have been developed for use with Willcox Composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 28 for more information about end connections.

TECHNICAL DATA: TYPE 4004SSN									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
1	25	150	10	6.0	150	0.6	0.9	100	30
1½	40	150	10	7.0	175	1.1	1.6	100	30
2	50	150	10	7.5	185	1.55	2.3	100	30
3	80	150	10	11	280	2.95	4.4	100	30
4	100	150	10	20.0	500	4.95	1..3	65	20
6	150	150	10	26.0	660	9.45	14.0	65	20
8	200	150	10	37	940	12.75	18.9	65	20
10	250	150	10	59	1500	15.1	23	50	15

Pressure based on safety factor 5:1

Dimensions and weight are approximate and are subject to change

For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering

Increased operating temperatures will reduce working pressure of the assemblies

Fitting pressure rating may limit or reduce the rated working pressure of the assembly

Rated working pressure is @ 70°F (21°C)