

Temperature Limitations

Usable from -70°C to +260°C.

Note: Maximum working pressures are reduced at elevated temperatures above 150°C.

Vacuum Limitations

The hose is usable at vacuum up to -0.9 bar at 150°C.

Vacuum resistance decreases by 1% for each degree above 150°C.

Maximum Continuous Lengths

46 meters / 150 feet

Refer to the tables below for product-specific values.

Available PTFE Liner Grades

- Natural
- Antistatic

Purpose of Natural Fluor Next SS Braided Hose

This general-purpose hose, featuring a smooth inner surface and a corrugated outer surface, is meticulously designed to enhance product flow rates and improve cleanability. The high-tensile grade 316 stainless steel wire braid offers maximum protection against internal pressure and external abrasion. A stainless steel 304 braid is also available upon request for industrial applications.

Optional: Polypropylene, PVDF & Aramid Braid

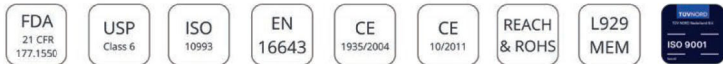
Purpose of Antistatic Fluor Next SS Braided Hose

The AS grade is crucial in applications where there is a risk of electrostatic charge build-up on the PTFE tube's inner surface, which could discharge through the tube wall.

It is essential for handling:

- Twin or multi-phase media
- Non-mixing media (e.g., powder in air, water droplets in steam, gases, or oil)
- Colloidal fluids

These conditions pose a significant risk for static charge generation and always require the AS grade hose.



Fluor Flow® SS Braided hose											
Nominal Hose Bore		Outside diameter of braid		Minimum Bend radius		Maximum Working Pressure		Minimum Burst Pressure		Weight per unit length	
inch	mm	inch	mm	inch	mm	PSI	BAR	PSI	BAR	lb/ft	Kg/Mt
1/4	6.4	0.40	10.0	3/4	19	1595	110	6380	440	0.06	0.09
5/16	8	0.42	11.5	3/4	19	1522	105	6088	420	0.08	0.12
3/8	9.5	0.50	12.8	3/4	19	1160	80	7200	500	0.9	0.14
1/2	12.7	0.65	16.6	1 1/2	38	1015	70	5800	400	0.19	0.29
5/8	15.9	0.81	20.6	1 7/8	45	940	65	5500	380	0.23	0.35
3/4	19	0.96	24.5	2	50	870	60	4350	300	0.27	0.40
1	25.4	1.27	32.3	2 3/4	70	720	50	2900	200	0.42	0.63
1 1/4	31.75	1.56	39.5	4	100	650	45	2600	180	0.57	0.85
1.5	38	1.85	47.0	5 1/2	140	580	40	2320	160	0.74	1.10
2	50.8	2.40	61.0	8	200	430	30	1750	120	1.27	1.90
2.5	63.5	2.89	73.5	12	304	290	20	1160	80	1.73	2.58

Temperature limitations EPDM

-40°C to +150°C

Temperature limitations Silicone

-73°C to +204°C

Fluor Flow® SS Braided EPDM or Silicone Extruded Cover											
Nominal Hose Bore		Outside diameter of cover		Minimum Bend radius		Maximum Working Pressure		Minimum Burst Pressure		Weight per unit length	
inch	mm	inch	mm	inch	mm	PSI	BAR	PSI	BAR	lb/ft	Kg/Mt
1/4	6.4	0.456	11.6	3/4	19	1160	80	4641	320	0.10	0.16
5/16	8	0.515	13.1	3/4	19	1160	80	4641	320	0.12	0.19
3/8	9.5	0.625	15.8	1	25	1160	80	7200	500	0.14	0.22
1/2	12.7	0.775	19.7	1 1/5	38	1015	70	5800	400	0.25	0.37
5/8	15.9	0.910	23.0	2	51	940	65	5500	380	0.35	0.52
3/4	19	1.100	28.0	2 1/2	63	870	60	4350	300	0.42	0.65
1	25.4	1.430	36.4	4	100	720	50	2900	200	0.57	0.88
1 1/4	31.75	1.700	43.4	5 1/2	140	650	45	2600	180	0.85	1.30
1.5	38	2.040	51.8	6 3/4	171	580	40	2320	160	1.14	1.70
2	50.8	2.645	67.2	8 1/4	210	430	30	1750	120	1.58	2.36
2.5	63.5	3.100	78.7	12	304	290	20	1160	80	2.41	3.49

