



Application	Typical Hoses
▪ Glass Coating	FM, FJ, FL, T
▪ High-Pressure Hydraulic Lines	FX, 7R, 8R
▪ Hydraulic Lines for Pile, Driving Heads	7R, 8R
▪ Solvent Recovery	FJ, FL, T, U
▪ Vacuum Coating	FM, FJ, FL, T
▪ Water Cooling Lines Inside Vacuum Chamber	FJ, FL

Materials of Construction

Fluoropolymer Hose			
Series	Core	Reinforcement	Cover
T	Smooth-Bore PTFE*	304 SS Braid Standard; 316L SS and Alloy 400 Braid Available	—
U	Smooth-Bore PFA**	302 SS Braid	Silicone

Metal Hose			
FX	Convolute 316L SS	321 SS Braid Standard; 316L Braid Available	—
FM	Convolute 316L SS	316L SS Braid	—
FJ	Convolute 316L SS	304 SS Braid Standard; 316L SS Braid Available	—
FL	Convolute 316L SS	321 SS Braid	—

Nylon Hose			
7R	Smooth-Bore Nylon	Fiber Braid	Perforated Black Polyurethane
8R	Smooth-Bore Nylon	Fiber Braid	Perforated Black Polyurethane

GENERAL INDUSTRIAL CONSTRUCTION *(continued)*



Series	Nominal Hose Size, in.										Temperature Range °F (°C)
			Working Pressure at 70°F (20°C), psig (bar)								
	1/8	3/16	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	

Fluoropolymer Hose											
T	—	—	3000* (206)	2500 (172)	2000 (137)	1500 (103)	1000 (68.9)	—	—	—	–65 to 450 (–53 to 230)
U	—	—	—	—	300 (20.6)	300 (20.6)	250 (17.2)	—	200 (13.7)	150 (10.3)	–65 to 400 (–53 to 204)

Metal Hose											
FX	—	—	6000 (413)	5000 (344)	4500 (310)	3600 (248)	3000 (206)	2600 (178)	2200 (151)	1675 (115)	–325 to 1000 (–200 to 537)
FM	—	—	3100 (213)	2000 (137)	1800 (124)	1500 (103)	1200 (82.6)	950 (65.4)	900 (62.0)	500 (34.4)	–325 to 850 (–200 to 454)
FJ	—	—	1600 (110)	1470 (101)	1110 (76.4)	860 (59.2)	680 (46.8)	680 (46.8)	520 (35.8)	450 (31.0)	–325 to 800 (–200 to 426)
FL	—	—	1500 (103)	—	1200 (82.6)	—	—	—	—	—	–325 to 850 (–200 to 454)

Nylon Hose											
7R	—	—	2750 (189)	2250 (155)	2000 (137)	—	—	—	—	—	–40 to 200 (–40 to 93)
8R	—	—	5000 (344)	4000 (275)	3500 (241)	2250 (155)	2000 (137)	—	—	—	–40 to 200 (–40 to 93)



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* T series hose with alloy 400 braid is rated to 1500 psig (103 bar).