

Thermo Scientific Masterflex® I/P®

Tubing

Pump tubing cross sections	Masterflex® I/P Precision pump tubing sizes			Masterflex® I/P High-performance precision pump tubing sizes		
						
	I/P 26	I/P 73	I/P 82	I/P 70	I/P 88	I/P 89
Inside diameter (nominal)	6.4 mm (0.25")	9.5 mm (0.37")	12.7 mm (0.5")	9.5 mm (0.37")	12.7 mm (0.5")	15.88 mm (0.62")
Hose barb size (nominal)	6.4 mm (1/4")	9.5 mm (3/8")	12.7 mm (1/2")	9.5 mm (3/8")	12.7 mm (1/2")	15.88 mm (5/8")
Flow range (approximate)* with 20 to 650 rpm drive	0.12 to 4 LPM (0.03 to 1.1 GPM)	0.2 to 8 LPM (0.05 to 2.1 GPM)	0.4 to 13 LPM (0.1 to 3.5 GPM)	0.24 to 8 LPM (0.06 to 2.1 GPM)	0.4 to 13 LPM (0.15 to 4 GPM)	0.52 to 17 LPM (0.14 to 4.5 GPM)
Maximum pressure†, continuous	1.7 bar (25 psi)	1.7 bar (25 psi)	0.7 bar (10 psi)	1.7 bar (25 psi)	1.4 bar (20 psi)	1.0 bar (15 psi)
Maximum pressure†, intermittent	2.7 bar (40 psi)	2.7 bar (40 psi)	1.4 bar (20 psi)	2.7 bar (40 psi)	2.4 bar (35 psi)	1.7 bar (25 psi)
Maximum vacuum†	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	510 mm Hg (20" Hg)	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	610 mm Hg (24" Hg)
Suction lift†	8.8 m H ₂ O (29 ft H ₂ O)	8.8 m H ₂ O (29 ft H ₂ O)	7.0 m H ₂ O (23 ft H ₂ O)	8.8 m H ₂ O (29 ft H ₂ O)	8.8 m H ₂ O (29 ft H ₂ O)	8.2 m H ₂ O (27 ft H ₂ O)

*Flow rates are approximate—calculated under the following conditions: 0 psig at inlet, 0.5 at outlet; water temperature at 22°C (72°F).

†Actual performance varies depending on tubing formulation—values shown are for firm tubing. For CHEM-SURE and STA-PURE tubing specifications, please contact factory.

Tubing formulation	Masterflex® I/P Precision pump tubing sizes			Masterflex® I/P High-performance precision pump tubing sizes		
	I/P 26	I/P 73	I/P 82	I/P 70	I/P 88	I/P 89
Silicone (platinum-cured)	96410-26 7.6 m (25 ft)/pk	96410-73 7.6 m (25 ft)/pk	96410-82 7.6 m (25 ft)/pk	96510-70 3.0 m (10 ft)/pk	96510-88 3.0 m (10 ft)/pk	96510-89 3.0 m (10 ft)/pk
Silicone (peroxide-cured)	96400-26 7.6 m (25 ft)/pk	96400-73 7.6 m (25 ft)/pk	96400-82 7.6 m (25 ft)/pk	96400-70 3.0 m (10 ft)/pk	96400-88 3.0 m (10 ft)/pk	96400-89 3.0 m (10 ft)/pk
BioPharm Plus silicone (platinum-cured)	96440-26 7.6 m (25 ft)/pk	96440-73 7.6 m (25 ft)/pk	96440-82 7.6 m (25 ft)/pk	96441-70 3.0 m (10 ft)/pk	96441-88 3.0 m (10 ft)/pk	96441-89 3.0 m (10 ft)/pk
C-FLEX® (50 A)	06424-26 7.6 m (25 ft)/pk	06424-73 7.6 m (25 ft)/pk	06424-82 7.6 m (25 ft)/pk	06424-70 3.0 m (10 ft)/pk	06424-88 3.0 m (10 ft)/pk	06424-89 3.0 m (10 ft)/pk
Tygon® LFL	06429-26 7.6 m (25 ft)/pk	06429-73 7.6 m (25 ft)/pk	06429-82 7.6 m (25 ft)/pk	06429-70 7.6 m (25 ft)/pk	06429-88 7.6 m (25 ft)/pk	06429-89 7.6 m (25 ft)/pk
Tygon® food (B-44-4X)	06419-26 15.2 m (50 ft)/pk	06419-73 15.2 m (50 ft)/pk	06419-82 15.2 m (50 ft)/pk	06419-70 15.2 m (50 ft)/pk	06419-88 15.2 m (50 ft)/pk	06419-89 15.2 m (50 ft)/pk
Tygon® lab (R-3603)	06409-26 15.2 m (50 ft)/pk	06408-73 15.2 m (50 ft)/pk	06408-82 15.2 m (50 ft)/pk	06409-70 15.2 m (50 ft)/pk	06409-88 15.2 m (50 ft)/pk	06409-89 15.2 m (50 ft)/pk
Tygon® fuel and lubricant (F-4040-A)	06401-26 15.2 m (50 ft)/pk	06401-73 15.2 m (50 ft)/pk	06401-82 15.2 m (50 ft)/pk	06401-70 15.2 m (50 ft)/pk	06401-88 15.2 m (50 ft)/pk	06401-89 15.2 m (50 ft)/pk
PharMed® (BPT)	06508-26 7.6 m (25 ft)/pk	06508-73 7.6 m (25 ft)/pk	06508-82 7.6 m (25 ft)/pk	06508-70 7.6 m (25 ft)/pk	06508-88 7.6 m (25 ft)/pk	06508-89 7.6 m (25 ft)/pk
Norprene® (A 60 G)	06404-26 15.2 m (50 ft)/pk	06404-73 15.2 m (50 ft)/pk	06404-82 15.2 m (50 ft)/pk	06404-70 15.2 m (50 ft)/pk	06404-88 15.2 m (50 ft)/pk	06404-89 15.2 m (50 ft)/pk
Norprene® food (A60 F)	06402-26 15.2 m (50 ft)/pk	06402-73 15.2 m (50 ft)/pk	06402-82 15.2 m (50 ft)/pk	06402-70 15.2 m (50 ft)/pk	06402-88 15.2 m (50 ft)/pk	06402-89 15.2 m (50 ft)/pk
Viton®	06412-26 7.6 m (25 ft)/pk	06412-73 7.6 m (25 ft)/pk	—	—	—	—
Style 500 (Reinforced FFKM®)	96210-26 0.30 m (1 ft)/pk	96210-73 0.30 m (1 ft)/pk	96210-82 0.30 m (1 ft)/pk	—	96210-88 0.30 m (1 ft)/pk	—
Style 100 (Reinforced Silicone)	96200-26 0.30 m (1 ft)/pk	96200-73 0.30 m (1 ft)/pk	96200-82 0.30 m (1 ft)/pk	—	—	—

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