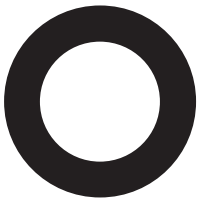
Masterflex® I/P® pump tubing

- Manufactured to tight tolerances of Masterflex® pump heads to ensure accurate flow rates and long tubing life
- Optically inspected and factory tested—ensures clean, defect-free tubing that performs to specifications
- Fourteen pump tubing formulations are available, each with different chemical compatibility properties, agency approvals, and performance characteristics
- Norprene®, PharMed® and Tygon® formulations are the firmest we offer; C-FLEX® and silicone are the softest
- Firm tubing has longer life, better pressure generation, stronger vacuum/suction lift, and lower gas permeability than soft tubing
- For chemical resistance charts and performance information, request the Masterflex® Technical Data Book

Specifications

	Masterflex® I/P® Precision pump tubing sizes			Masterflex® I/P® High-performance precision pump tubing sizes		
Pump tubing cross sections						
	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 (¼")	9.5 mm (⅜")	12.7 mm (½")	9.5 mm (⅜")	12.7 mm (½")	15.88 mm (⅝")
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_2O (29 ft H_2O)	8.8 m H_2O (29 ft H_2O)	7.0 m H_2O (23 ft H_2O)	8.8 m H_2O (29 ft H_2O)	8.8 m H_2O (29 ft H_2O)	8.2 m H_2O (27 ft H_2O)

*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)	**VA-96410-26** 7.6 m (25 ft)/pk	**VA-96410-73** 7.6 m (25 ft)/pk	**VA-96410-82** 7.6 m (25 ft)/pk	**VA-96510-70** 3.0 m (10 ft)/pk	**VA-96510-88** 3.0 m (10 ft)/pk	**VA-96510-89** 3.0 m (10 ft)/pk
Silicone (peroxide-cured)	**VA-96400-26** 7.6 m (25 ft)/pk	**VA-96400-73** 7.6 m (25 ft)/pk	**VA-96400-82** 7.6 m (25 ft)/pk	**VA-96400-70** 3.0 m (10 ft)/pk	**VA-96400-88** 3.0 m (10 ft)/pk	**VA-96400-89** 3.0 m (10 ft)/pk
BioPharm Plus silicone (platinum-cured)	**VA-96440-26** 7.6 m (25 ft)/pk	**VA-96440-73** 7.6 m (25 ft)/pk	**VA-96440-82** 7.6 m (25 ft)/pk	**VA-96441-70** 3.0 m (10 ft)/pk	**VA-96441-88** 3.0 m (10 ft)/pk	**VA-96441-89** 3.0 m (10 ft)/pk
C-FLEX® (50 A)	**VA-06424-26** 7.6 m (25 ft)/pk	**VA-06424-73** 7.6 m (25 ft)/pk	**VA-06424-82** 7.6 m (25 ft)/pk	**VA-06424-70** 3.0 m (10 ft)/pk	**VA-06424-88** 3.0 m (10 ft)/pk	**VA-06424-89** 3.0 m (10 ft)/pk
Tygon® LFL	**VA-06429-26** 7.6 m (25 ft)/pk	**VA-06429-73** 7.6 m (25 ft)/pk	**VA-06429-82** 7.6 m (25 ft)/pk	**VA-06429-70** 7.6 m (25 ft)/pk	**VA-06429-88** 7.6 m (25 ft)/pk	**VA-06429-89** 7.6 m (25 ft)/pk
Tygon® food (B-44-4X)	**VA-06419-26** 15.2 m (50 ft)/pk	**VA-06419-73** 15.2 m (50 ft)/pk	**VA-06419-82** 15.2 m (50 ft)/pk	**VA-06419-70** 15.2 m (50 ft)/pk	**VA-06419-88** 15.2 m (50 ft)/pk	**VA-06419-89** 15.2 m (50 ft)/pk
Tygon® lab (R-3603)	**VA-06409-26** 15.2 m (50 ft)/pk	**VA-06408-73** 15.2 m (50 ft)/pk	**VA-06408-82** 15.2 m (50 ft)/pk	**VA-06409-70** 15.2 m (50 ft)/pk	**VA-06409-88** 15.2 m (50 ft)/pk	**VA-06409-89** 15.2 m (50 ft)/pk
Tygon® fuel and lubricant (F-4040-A)	**VA-06401-26** 15.2 m (50 ft)/pk	**VA-06401-73** 15.2 m (50 ft)/pk	**VA-06401-82** 15.2 m (50 ft)/pk	**VA-06401-70** 15.2 m (50 ft)/pk	**VA-06401-88** 15.2 m (50 ft)/pk	**VA-06401-89** 15.2 m (50 ft)/pk
PharMed® (BPT)	**VA-06508-26** 7.6 m (25 ft)/pk	**VA-06508-73** 7.6 m (25 ft)/pk	**VA-06508-82** 7.6 m (25 ft)/pk	**VA-06508-70** 7.6 m (25 ft)/pk	**VA-06508-88** 7.6 m (25 ft)/pk	**VA-06508-89** 7.6 m (25 ft)/pk
Norprene® (A 60 G)	**VA-06404-26** 15.2 m (50 ft)/pk	**VA-06404-73** 15.2 m (50 ft)/pk	**VA-06404-82** 15.2 m (50 ft)/pk	**VA-06404-70** 15.2 m (50 ft)/pk	**VA-06404-88** 15.2 m (50 ft)/pk	**VA-06404-89** 15.2 m (50 ft)/pk
Norprene® food (A60 F)	**VA-06402-26** 15.2 m (50 ft)/pk	**VA-06402-73** 15.2 m (50 ft)/pk	**VA-06402-82** 15.2 m (50 ft)/pk	**VA-06402-70** 15.2 m (50 ft)/pk	**VA-06402-88** 15.2 m (50 ft)/pk	**VA-06402-89** 15.2 m (50 ft)/pk
Viton®	**VA-06412-26** 7.6 m (25 ft)/pk	**VA-06412-73** 7.6 m (25 ft)/pk	— —	— —	— —	— —
CHEM-SURE®	**VA-96210-26** 0.30 m (1 ft)/pk	**VA-96210-73** 0.30 m (1 ft)/pk	**VA-96210-82** 0.30 m (1 ft)/pk	— —	— —	— —
STA-PURE®	**VA-96200-26** 0.30 m (1 ft)/pk	**VA-96200-73** 0.30 m (1 ft)/pk	**VA-96200-82** 0.30 m (1 ft)/pk	— —	— —	— —