

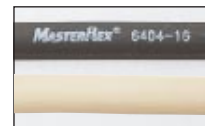
MASTERFLEX® LIS® pump tubing

Ordering the Correct Pump Tubing

- Consider all aspects of your application: flow rate, pressure, viscosity, etc.
- If your application requires high pressure, a strong vacuum/suction lift, or involves viscous fluids, consider using High-performance precision tubing.





High-Pressure Pump Tubing!

Flexible pump tubing from Masterflex that allows you to pump at continuous pressures up to 100 psi. Pack of 7.6 m (25 ft).




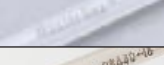


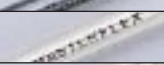


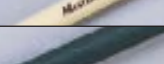


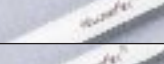



Tubing formulation	Masterflex® pump tubing sizes	
	L/S® 16HP	L/S® 15HP
Tubing ID	1/8"	3/16"
Flow range	0.9 to 90 mL/min	1.7 to 170 mL/min
Max pressure, continuous	100 psi (6.8 bar)	80 psi (5.5 bar)
Norprene®	VA-06504-16	VA-06504-15
PharMed®	VA-06585-16	VA-06585-15

Specifications

Pump tubing cross sections	Masterflex® LIS® High-performance precision pump tubing sizes			
				
	L/S® 15	L/S® 24	L/S® 35	L/S® 36
Inside diameter (nominal)	4.8 mm (0.19")	6.4 mm (0.25")	7.9 mm (0.31")	9.7 mm (0.38")
Hose barb size (nominal)	4.8 mm (3/16")	6.4 mm (1/4")	9.5 mm (3/8")	9.5 mm (3/8")
Flow range (approximate)* with 6 to 600 rpm drive	10 to 1000 mL/min (0.16 to 15.8 GPH)	17 to 1700 mL/min (0.27 to 26.8 GPH)	23 to 2300 mL/min (0.36 to 36.3 GPH)	29 to 2900 mL/min (0.46 to 45.8 GPH)
Flow range* (approx) with 6 to 600 rpm drive obtained with High-Performance pump head	11 to 1100 mL/min (0.17 to 17.4 GPH)	18 to 1800 mL/min (0.29 to 28.4 GPH)	26 to 2600 mL/min (0.41 to 41.1 GPH)	34 to 3400 mL/min (0.54 to 53.8 GPH)
Maximum pressure, ¹ continuous	1.7 bar (25 psi)	1.7 bar (25 psi)	1.4 bar (20 psi)	1.0 bar (15 psi)
Maximum pressure, ¹ intermittent	2.7 bar (40 psi)	2.7 bar (40 psi)	2.4 bar (35 psi)	2.4 bar (35 psi)
Maximum vacuum ¹	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	610 mm Hg (24" Hg)
Suction lift ¹	8.8 m H ₂ O (29 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)	8.3 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).

¹Actual performance varies depending on tubing formulation—values shown are for firm tubing. For CHEM-SURE and STA-PURE tubing specifications, contact factory.

Tubing formulation		Masterflex® LIS® High-performance precision pump tubing sizes			
		L/S® 15	L/S® 24	L/S® 35	L/S® 36
Silicone (platinum-cured)		VA-96410-15 7.6 m (25 ft)/pk	VA-96410-24 7.6 m (25 ft)/pk	VA-96410-35 7.6 m (25 ft)/pk	VA-96410-36 7.6 m (25 ft)/pk
Silicone (peroxide-cured)		VA-96400-15 7.6 m (25 ft)/pk	VA-96400-24 7.6 m (25 ft)/pk	VA-96400-35 7.6 m (25 ft)/pk	VA-96400-36 7.6 m (25 ft)/pk
BioPharm Plus silicone (platinum-cured)		VA-96440-15 7.6 m (25 ft)/pk	VA-96440-24 7.6 m (25 ft)/pk	VA-96440-35 7.6 m (25 ft)/pk	VA-96440-36 7.6 m (25 ft)/pk
C-FLEX® (50 A)		VA-06424-15 7.6 m (25 ft)/pk	VA-06424-24 7.6 m (25 ft)/pk	VA-06424-35 7.6 m (25 ft)/pk	VA-06424-36 7.6 m (25 ft)/pk
Tygon® LFL		VA-06429-15 7.6 m (25 ft)/pk	VA-06429-24 7.6 m (25 ft)/pk	VA-06429-35 7.6 m (25 ft)/pk	VA-06429-36 7.6 m (25 ft)/pk
Tygon® food (B-44-4X)		VA-06419-15 15.2 m (50 ft)/pk	VA-06419-24 15.2 m (50 ft)/pk	VA-06419-35 15.2 m (50 ft)/pk	VA-06419-36 15.2 m (50 ft)/pk
Tygon® lab (R-3603)		VA-06409-15 15.2 m (50 ft)/pk	VA-06409-24 15.2 m (50 ft)/pk	VA-06409-35 15.2 m (50 ft)/pk	VA-06409-36 15.2 m (50 ft)/pk
Tygon® fuel & lubricant (F-4040-A)		VA-06401-15 15.2 m (50 ft)/pk	VA-06401-24 15.2 m (50 ft)/pk	VA-06401-35 15.2 m (50 ft)/pk	VA-06401-36 15.2 m (50 ft)/pk
PharMed® (65)		VA-06485-15 7.6 m (25 ft)/pk	VA-06485-24 7.6 m (25 ft)/pk	VA-06485-35 7.6 m (25 ft)/pk	VA-06485-36 7.6 m (25 ft)/pk
Norprene® (A 60 G)		VA-06404-15 15.2 m (50 ft)/pk	VA-06404-24 15.2 m (50 ft)/pk	VA-06404-35 15.2 m (50 ft)/pk	VA-06404-36 15.2 m (50 ft)/pk
Norprene® food (A 60 F)		VA-06402-15 15.2 m (50 ft)/pk	VA-06402-24 15.2 m (50 ft)/pk	VA-06402-35 15.2 m (50 ft)/pk	VA-06402-36 15.2 m (50 ft)/pk
Viton®		VA-06412-15 7.6 m (25 ft)/pk	VA-06412-24 7.6 m (25 ft)/pk	VA-06412-35 7.6 m (25 ft)/pk	VA-06412-36 7.6 m (25 ft)/pk
CHEM-SURE®		VA-96210-15 0.3 m (1 ft)/pk	VA-96210-24 0.3 m (1 ft)/pk	VA-96210-35 0.3 m (1 ft)/pk	VA-96210-36 0.3 m (1 ft)/pk
STA-PURE®		VA-96200-15 0.3 m (1 ft)/pk	VA-96200-24 0.3 m (1 ft)/pk	VA-96200-35 0.3 m (1 ft)/pk	VA-96200-36 0.3 m (1 ft)/pk