

MASTERflex® L/S® Precision Pump Tubing

Ensure optimal performance from your Masterflex® pump

- Custom extruded to fit Masterflex pumps
- Engineered for long life in peristaltic pump applications
- Lot-to-lot consistency provides superior accuracy and repeatability

Masterflex L/S pump tubing is manufactured to extremely close tolerances that match our L/S pump heads, ensuring accurate, repeatable flow and long tubing life. Our pump tubing is factory-tested and optically inspected to provide the best performance from your peristaltic pump. With 21 different materials available, there is an L/S pump tubing

formulation suitable for nearly any fluid handling application.

Our High-performance precision pump tubing features a thicker wall compared to our Precision pump tubing, making it the best choice for applications involving pressure, suction lift, viscous fluids, or long tubing life. See pages 1212–1213 to order.

L/S® Precision Pump Tubing Specifications

Pump tubing cross sections	Precision pump tubing					
	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18
Inside diameter (nominal)	0.03" (0.8 mm)	0.06" (1.6 mm)	0.12" (3.1 mm)	0.19" (4.8 mm)	0.25" (6.4 mm)	0.31" (7.9 mm)
Hose barb size	1/16" (1.6 mm)	1/16" (1.6 mm)	1/8" (3.2 mm)	3/16" (4.8 mm)	1/4" (6.4 mm)	3/8" (9.5 mm)
Flow range (approximate) [†] with 1 to 600 rpm drive	0.06 to 36 mL/min	0.21 to 130 mL/min	0.8 to 480 mL/min	1.7 to 1000 mL/min	2.8 to 1700 mL/min	3.8 to 2300 mL/min
Maximum pressure, continuous [‡]	25 psig (1.7 bar)			20 psig (1.4 bar)	15 psig (1.0 bar)	10 psig (0.7 bar)
Maximum pressure, intermittent [‡]	40 psig (2.7 bar)			35 psig (2.4 bar)	20 psig (1.4 bar)	15 psig (1.0 bar)
Maximum vacuum [‡]	26" Hg (660 mm Hg)					20" Hg (510 mm Hg)
Suction lift [‡]	29 ft H ₂ O (8.8 m H ₂ O)					22 ft H ₂ O (6.7 m H ₂ O)

[†]Determined under the following conditions: 0 psi at inlet, 0.5 psi at outlet; water temperature at 72°F (22°C).

[‡]Actual performance varies depending on tubing formulation—values shown are for firm tubing. Values for STA-PURE®/CHEM-SURE® pump tubing are 60 psi (4.1 bar) continuous, 100 psi (6.9 bar) intermittent.

L/S® Precision Pump Tubing Ordering Information

Pump Tubing Formulation	L/S Pump Head Compatibility					L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18
	Standard	Easy-Load®	Easy-Load® II	Easy-Load® 3	Multichannel Cartridge						
Silicone (platinum-cured)	✓	✓	✓	✓	✓	RZ-96410-13 /pk 25 ft (7.6 m)/pk	RZ-96410-14 /pk 25 ft (7.6 m)/pk	RZ-96410-16 /pk 25 ft (7.6 m)/pk	RZ-96410-25 /pk 25 ft (7.6 m)/pk	RZ-96410-17 /pk 25 ft (7.6 m)/pk	RZ-96410-18 /pk 25 ft (7.6 m)/pk
Silicone (peroxide-cured)	✓	✓	✓	✓	✓	RZ-96400-13 /pk 25 ft (7.6 m)/pk	RZ-96400-14 /pk 25 ft (7.6 m)/pk	RZ-96400-16 /pk 25 ft (7.6 m)/pk	RZ-96400-25 /pk 25 ft (7.6 m)/pk	RZ-96400-17 /pk 25 ft (7.6 m)/pk	RZ-96400-18 /pk 25 ft (7.6 m)/pk
BioPharm silicone (platinum-cured)	✓	✓	✓	✓	✓	RZ-96420-13 /pk 25 ft (7.6 m)/pk	RZ-96420-14 /pk 25 ft (7.6 m)/pk	RZ-96420-16 /pk 25 ft (7.6 m)/pk	RZ-96420-25 /pk 25 ft (7.6 m)/pk	RZ-96420-17 /pk 25 ft (7.6 m)/pk	RZ-96420-18 /pk 25 ft (7.6 m)/pk
BioPharm Plus silicone (platinum-cured)	✓	✓	✓	✓	✓	RZ-96440-13 /pk 25 ft (7.6 m)/pk	RZ-96440-14 /pk 25 ft (7.6 m)/pk	RZ-96440-16 /pk 25 ft (7.6 m)/pk	RZ-96440-25 /pk 25 ft (7.6 m)/pk	RZ-96440-17 /pk 25 ft (7.6 m)/pk	RZ-96440-18 /pk 25 ft (7.6 m)/pk
C-FLEX®	✓	✓	✓	✓	✓	RZ-06424-13 /pk 25 ft (7.6 m)/pk	RZ-06424-14 /pk 25 ft (7.6 m)/pk	RZ-06424-16 /pk 25 ft (7.6 m)/pk	RZ-06424-25 /pk 25 ft (7.6 m)/pk	RZ-06424-17 /pk 25 ft (7.6 m)/pk	RZ-06424-18 /pk 25 ft (7.6 m)/pk
PharMed® BPT	✓	✓	✓	✓	✓	RZ-06508-13 /pk 25 ft (7.6 m)/pk	RZ-06508-14 /pk 25 ft (7.6 m)/pk	RZ-06508-16 /pk 25 ft (7.6 m)/pk	RZ-06508-25 /pk 25 ft (7.6 m)/pk	RZ-06508-17 /pk 25 ft (7.6 m)/pk	RZ-06508-18 /pk 25 ft (7.6 m)/pk
PharmaPure®		✓	✓			RZ-06435-13 /pk 25 ft (7.6 m)/pk	RZ-06435-14 /pk 25 ft (7.6 m)/pk	RZ-06435-16 /pk 25 ft (7.6 m)/pk	RZ-06435-25 /pk 25 ft (7.6 m)/pk	RZ-06435-17 /pk 25 ft (7.6 m)/pk	RZ-06435-18 /pk 25 ft (7.6 m)/pk
STA-PURE®	✓	✓	✓			—	RZ-96211-14 /pk 12" (30.5 cm)/pk	RZ-96211-16 /pk 12" (30.5 cm)/pk	RZ-96211-25 /pk 12" (30.5 cm)/pk	RZ-96211-17 /pk 12" (30.5 cm)/pk	RZ-96211-18 /pk 12" (30.5 cm)/pk
CHEM-SURE®	✓	✓	✓			—	RZ-96212-14 /pk 12" (30.5 cm)/pk	RZ-96212-16 /pk 12" (30.5 cm)/pk	RZ-96212-25 /pk 12" (30.5 cm)/pk	RZ-96212-17 /pk 12" (30.5 cm)/pk	RZ-96212-18 /pk 12" (30.5 cm)/pk
Tygon® LFL	✓	✓	✓	✓	✓	RZ-06429-13 /pk 25 ft (7.6 m)/pk	RZ-06429-14 /pk 25 ft (7.6 m)/pk	RZ-06429-16 /pk 25 ft (7.6 m)/pk	RZ-06429-25 /pk 25 ft (7.6 m)/pk	RZ-06429-17 /pk 25 ft (7.6 m)/pk	RZ-06429-18 /pk 25 ft (7.6 m)/pk