







# MASTERFLEX® L/S® pump tubing

**Holland®**  
APPLIED TECHNOLOGIES  
Indianapolis • Chicago • San Juan  
www.hollandapt.com  
800-800-8464

MASTERFLEX®

- 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, tubing material, and performance information, request the Masterflex® Technical Data Book.

## Specifications

Pump tubing cross sections	Masterflex® L/S® Precision pump tubing sizes					
						
	L/S® 13	L/S® 14	L/S® 16	L/S® 25	L/S® 17	L/S® 18
Inside diameter (nominal)	0.8 mm (0.03")	1.6 mm (0.06")	3.1 mm (0.12")	4.8 mm (0.19")	6.4 mm (0.25")	7.9 mm (0.31")
Hose barb size (nominal)	1.6 mm (1/16")	1.6 mm (1/16")	3.2 mm (1/8")	4.8 mm (3/16")	6.4 mm (1/4")	9.5 mm (3/8")
Flow range (approximate)* with 6 to 600 rpm drive	0.36 to 36 mL/min (0.006 to 0.57 GPH)	1.3 to 130 mL/min (0.02 to 2.0 GPH)	4.8 to 480 mL/min (0.08 to 7.6 GPH)	10 to 1000 mL/min (0.16 to 15.8 GPH)	17 to 1700 mL/min (0.27 to 27 GPH)	23 to 2300 mL/min (0.36 to 36.4 GPH)
Maximum pressure,† continuous	1.7 bar (25 psi)	1.7 bar (25 psi)	1.7 bar (25 psi)	1.4 bar (20 psi)	1.0 bar (15 psi)	0.7 bar (10 psi)
Maximum pressure,† intermittent	2.7 bar (40 psi)	2.7 bar (40 psi)	2.7 bar (40 psi)	2.4 bar (35 psi)	1.4 bar (20 psi)	1.0 bar (15 psi)
Maximum vacuum†	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	510 mm Hg (20" Hg)	510 mm Hg (20" Hg)
Suction lift†	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	6.7 m H <sub>2</sub> O (22 ft H <sub>2</sub> O)	6.7 m H <sub>2</sub> O (22 ft H <sub>2</sub> O)

\*Flow ranges are approximate—calculated under the following conditions: 0 psig at inlet, 0.5 psig 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® L/S® Precision pump tubing sizes					
	L/S® 13	L/S® 14	L/S® 16	L/S® 25	L/S® 17	L/S® 18
Silicone (platinum-cured)	VA-96410-13 7.6 m (25 ft)/pk	VA-96410-14 7.6 m (25 ft)/pk	VA-96410-16 7.6 m (25 ft)/pk	VA-96410-25 7.6 m (25 ft)/pk	VA-96410-17 7.6 m (25 ft)/pk	VA-96410-18 7.6 m (25 ft)/pk
Silicone (peroxide-cured)	VA-96400-13 7.6 m (25 ft)/pk	VA-96400-14 7.6 m (25 ft)/pk	VA-96400-16 7.6 m (25 ft)/pk	VA-96400-25 7.6 m (25 ft)/pk	VA-96400-17 7.6 m (25 ft)/pk	VA-96400-18 7.6 m (25 ft)/pk
BioPharm Plus silicone (platinum-cured)	VA-96440-13 7.6 m (25 ft)/pk	VA-96440-14 7.6 m (25 ft)/pk	VA-96440-16 7.6 m (25 ft)/pk	VA-96440-25 7.6 m (25 ft)/pk	VA-96440-17 7.6 m (25 ft)/pk	VA-96440-18 7.6 m (25 ft)/pk
C-FLEX® (50 A)	VA-06424-13 7.6 m (25 ft)/pk	VA-06424-14 7.6 m (25 ft)/pk	VA-06424-16 7.6 m (25 ft)/pk	VA-06424-25 7.6 m (25 ft)/pk	VA-06424-17 7.6 m (25 ft)/pk	VA-06424-18 7.6 m (25 ft)/pk
Tygon® LFL	VA-06429-13 7.6 m (25 ft)/pk	VA-06429-14 7.6 m (25 ft)/pk	VA-06429-16 7.6 m (25 ft)/pk	VA-06429-25 7.6 m (25 ft)/pk	VA-06429-17 7.6 m (25 ft)/pk	VA-06429-18 7.6 m (25 ft)/pk
Tygon® food (B-44-4X)	VA-06419-13 15.2 m (50 ft)/pk	VA-06419-14 15.2 m (50 ft)/pk	VA-06419-16 15.2 m (50 ft)/pk	VA-06419-25 15.2 m (50 ft)/pk	VA-06419-17 15.2 m (50 ft)/pk	VA-06419-18 15.2 m (50 ft)/pk
Tygon® lab (R-3603)	VA-06409-13 15.2 m (50 ft)/pk	VA-06409-14 15.2 m (50 ft)/pk	VA-06409-16 15.2 m (50 ft)/pk	VA-06409-25 15.2 m (50 ft)/pk	VA-06409-17 15.2 m (50 ft)/pk	VA-06409-18 15.2 m (50 ft)/pk
Tygon® fuel and lubricant (F-4040-A)	VA-06401-13 15.2 m (50 ft)/pk	VA-06401-14 15.2 m (50 ft)/pk	VA-06401-16 15.2 m (50 ft)/pk	VA-06401-25 15.2 m (50 ft)/pk	VA-06401-17 15.2 m (50 ft)/pk	VA-06401-18 15.2 m (50 ft)/pk
PharMed® (65)	VA-06485-13 7.6 m (25 ft)/pk	VA-06485-14 7.6 m (25 ft)/pk	VA-06485-16 7.6 m (25 ft)/pk	VA-06485-25 7.6 m (25 ft)/pk	VA-06485-17 7.6 m (25 ft)/pk	VA-06485-18 7.6 m (25 ft)/pk
Norprene® (A 60 G)	VA-06404-13 15.2 m (50 ft)/pk	VA-06404-14 15.2 m (50 ft)/pk	VA-06404-16 15.2 m (50 ft)/pk	VA-06404-25 15.2 m (50 ft)/pk	VA-06404-17 15.2 m (50 ft)/pk	VA-06404-18 15.2 m (50 ft)/pk
Norprene® food (A 60 F)	VA-06402-13 15.2 m (50 ft)/pk	VA-06402-14 15.2 m (50 ft)/pk	VA-06402-16 15.2 m (50 ft)/pk	VA-06402-25 15.2 m (50 ft)/pk	VA-06402-17 15.2 m (50 ft)/pk	VA-06402-18 15.2 m (50 ft)/pk
Viton®	VA-06412-13 7.6 m (25 ft)/pk	VA-06412-14 7.6 m (25 ft)/pk	VA-06412-16 7.6 m (25 ft)/pk	VA-06412-25 7.6 m (25 ft)/pk	VA-06412-17 7.6 m (25 ft)/pk	VA-06412-18 7.6 m (25 ft)/pk
CHEM-SURE®	—	VA-96210-14 0.3 m (1 ft)/pk	VA-96210-16 0.3 m (1 ft)/pk	VA-96210-25 0.3 m (1 ft)/pk	VA-96210-17 0.3 m (1 ft)/pk	VA-96210-18 0.3 m (1 ft)/pk
STA-PURE®	—	VA-96200-14 0.3 m (1 ft)/pk	VA-96200-16 0.3 m (1 ft)/pk	VA-96200-25 0.3 m (1 ft)/pk	VA-96200-17 0.3 m (1 ft)/pk	VA-96200-18 0.3 m (1 ft)/pk

# MASTERFLEX® L/S® pump tubing

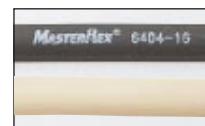
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## Ordering the Correct Pump Tubing

- 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® L/S® 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,† continuous	1.7 bar (25 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)	2.4 bar (35 psi)	2.4 bar (35 psi)
Maximum vacuum†	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	660 mm Hg (26" Hg)	610 mm Hg (24" Hg)
Suction lift†	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.3 m H <sub>2</sub> O (27 ft H <sub>2</sub> 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, contact factory.

Tubing formulation	Masterflex® L/S® 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







# MASTERFLEX® I/P® pump tubing

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- 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

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 (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 <sup>†</sup> , 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 <sup>†</sup> , 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 <sup>†</sup>	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 <sup>†</sup>	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	7.0 m H <sub>2</sub> O (23 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> O)	8.2 m H <sub>2</sub> O (27 ft H <sub>2</sub> 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).


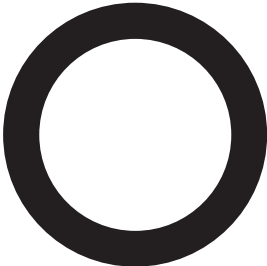

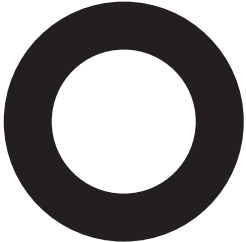
<sup>†</sup>Actual performance varies depending on tubing formulation—values shown are for firm tubing. For CHEM-SURE and STA-PURE tubing specifications, please contact factory.

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	—	—	—

# MASTERFLEX® B/T® pump tubing

- Ensure optimum 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

## Specifications

Pump tubing cross sections	Masterflex® B/T® Precision pump tubing sizes		Masterflex® B/T® High-performance precision pump tubing sizes	
	B/T® 88	B/T® 92	B/T® 86	B/T® 90
				
Inside diameter (nominal)	12.7 mm (0.5")	25.4 mm (1")	9.5 mm (0.37")	19.0 mm (0.75")
Hose barb size (nominal)	12.7 mm (1/2")	25.4 mm (1")	9.5 mm (3/8")	19.0 mm (3/4")
Flow range (approximate)* with 12 to 350 rpm drive	0.5 to 15 LPM (0.15 to 4 GPM)	1.5 to 45 LPM (0.4 to 12 GPM)	0.3 to 7.5 LPM (0.07 to 2 GPM)	1 to 30 LPM (0.3 to 8 GPM)
Max pressure, <sup>†</sup> continuous	1.3 bar (20 psi)	0.3 bar (5 psi)	1.7 bar (25 psi)	1.3 bar (20 psi)
Max pressure, <sup>†</sup> intermittent	2.4 bar (35 psi)	0.6 bar (10 psi)	2.7 bar (40 psi)	2.4 bar (35 psi)
Maximum vacuum <sup>†</sup>	660 mm Hg (26" Hg)			
Suction lift <sup>†</sup>	8.8 m H <sub>2</sub> O (29 ft H <sub>2</sub> 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).  
<sup>†</sup>Actual performance varies depending on tubing formulation—values shown are for firm tubing.

Tubing formulation	Masterflex® B/T® Precision pump tubing				Masterflex® B/T® High-performance precision pump tubing			
	B/T® 88		B/T® 92		B/T® 86		B/T® 90	
Silicone (platinum-cured)	VA-96510-88 3 m (10 ft)/pk	—	VA-96510-92 3 m (10 ft)/pk	—	VA-96510-86 3 m (10 ft)/pk	—	VA-96510-90 3 m (10 ft)/pk	—
Silicone (peroxide-cured)	VA-96400-88 3 m (10 ft)/pk	—	VA-96400-92 3 m (10 ft)/pk	—	VA-96400-86 3 m (10 ft)/pk	—	VA-96400-90 3 m (10 ft)/pk	—
BioPharm Plus silicone platinum-cured	VA-96421-88 3 m (10 ft)/pk	—	VA-96421-92 3 m (10 ft)/pk	—	VA-96421-86 3 m (10 ft)/pk	—	VA-96421-90 3 m (10 ft)/pk	—
BioPharm Plus silicone platinum-cured	VA-96441-88 3 m (10 ft)/pk	—	VA-96441-92 3 m (10 ft)/pk	—	VA-96441-86 3 m (10 ft)/pk	—	VA-96441-90 3 m (10 ft)/pk	—
C-FLEX® (50 A)	VA-06424-88 3 m (10 ft)/pk	—	VA-06424-92 3 m (10 ft)/pk	—	VA-06424-86 3 m (10 ft)/pk	—	VA-06424-90 3 m (10 ft)/pk	—
Tygon® LFL	VA-06429-88 7.6 m (25 ft)/pk	VA-06430-88 0.9 m (3 ft)/pk	VA-06429-92 7.6 m (25 ft)/pk	VA-06430-92 0.9 m (3 ft)/pk	VA-06429-86 7.6 m (25 ft)/pk	VA-06430-86 0.9 m (3 ft)/pk	VA-06429-90 7.6 m (25 ft)/pk	VA-06430-90 0.9 m (3 ft)/pk
Pharmed® (BPT)	VA-06508-88 7.6 m (25 ft)/pk	VA-06508-88 0.9 m (3 ft)/pk	VA-06508-92 7.6 m (25 ft)/pk	VA-06508-92 0.9 m (3 ft)/pk	VA-06508-86 7.6 m (25 ft)/pk	VA-06508-86 0.9 m (3 ft)/pk	VA-06508-90 7.6 m (25 ft)/pk	VA-06508-90 0.9 m (3 ft)/pk
Norprene® food (A60 F)	VA-06402-88 7.6 m (25 ft)/pk	VA-06403-88 0.9 m (3 ft)/pk	VA-06402-92 7.6 m (25 ft)/pk	VA-06403-92 0.9 m (3 ft)/pk	VA-06402-86 7.6 m (25 ft)/pk	VA-06403-86 0.9 m (3 ft)/pk	VA-06402-90 7.6 m (25 ft)/pk	VA-06403-90 0.9 m (3 ft)/pk

# PONNDORF

## pump hose

- All Ponndorf pump hose is precision molded to optimize performance with Ponndorf hose pumps



PX series



PDX series



PD series



PK series

### Specifications & Ordering Information

Pump series	Max flow m <sup>3</sup> /hr (GPM)	Max pressure bar (psig)	Max suction m (ft) of H <sub>2</sub> O	Ponndorf pump hose formulation				
				Natural rubber	Food-grade natural rubber	Neoprene	Hypalon	Food-grade Ponnprene
PX 10	0.15 (0.66)	2 (30)	7 (23)	VA-61008	VA-61011	VA-61009	VA-61010	—
PX 10/2	0.25 (1.1)	2 (30)	7 (23)	VA-61008	VA-61011	VA-61009	VA-61010	—
PX 15	0.5 (2.2)	2 (30)	7 (23)	VA-61108	VA-61111	VA-61109	VA-61110	—
PX 15/2	0.95 (4.2)	2 (30)	7 (23)	VA-61108	VA-61111	VA-61109	VA-61110	—
PX 27	2.2 (9.7)	2 (30)	7 (23)	VA-61208	VA-61211	VA-61209	VA-61210	—
PX 27/2	5.0 (22)	2 (30)	7 (23)	VA-61208	VA-61211	VA-61209	VA-61210	—
PX 35	6.0 (26)	2 (30)	7 (23)	VA-61308	VA-61311	VA-61309	VA-61310	—
PX 35/2	11.5 (51)	2 (30)	7 (23)	VA-61308	VA-61311	VA-61309	VA-61310	—
PX 50	12.5 (55)	2 (30)	7 (23)	VA-61408	VA-61411	VA-61409	VA-61410	—
PX 50/2	24.5 (108)	2 (30)	7 (23)	VA-61408	VA-61411	VA-61409	VA-61410	—
PDX 19	0.5 (2.2)	2 (30)	7 (23)	—	—	—	—	VA-61808
PDX 19/2	0.85 (3.7)	2 (30)	7 (23)	—	—	—	—	VA-61808
PDX 30	2.7 (12)	2 (30)	7 (23)	—	—	—	—	VA-61908
PDX 30/2	4.5 (20)	2 (30)	7 (23)	—	—	—	—	VA-61908
PDX 35	4 (18)	2 (30)	7 (23)	—	—	—	—	VA-62008
PDX 35/2	6.7 (30)	2 (30)	7 (23)	—	—	—	—	VA-62008
PD 15	0.5 (2.2)	4 (60)	8 (26)	—	—	—	—	VA-61508
PD 15/2	0.95 (4.2)	4 (60)	8 (26)	—	—	—	—	VA-61508
PD 27	2.5 (11)	4 (60)	8 (26)	—	—	—	—	VA-61608
PD 27/2	4.8 (21)	4 (60)	8 (26)	—	—	—	—	VA-61608
PD 35	5.5 (24.2)	4 (60)	8 (26)	—	—	—	—	VA-61708
PD 35/2	9.5 (42)	4 (60)	8 (26)	—	—	—	—	VA-61708
Pump series	Max flow m <sup>3</sup> /hr (GPM)	Max pressure bar (psig)	Max suction m (ft) of H <sub>2</sub> O	Ponndorf pump hose formulation				
				Natural rubber	EPDM	Food grade NBR	—	
PK 15	0.7 (3)	5 (220)	8 (26)	VA-62509	VA-62508	VA-62509	—	
PK 25	2.1 (9.2)	5 (220)	8 (26)	VA-62607	VA-62608	VA-62609	—	
PK 40	7.7 (34)	5 (220)	8 (26)	VA-62707	VA-62708	VA-62709	—	
PK 50	15.5 (68)	5 (220)	8 (26)	VA-62807	VA-62808	VA-62809	—	
PK 65	32 (140)	5 (220)	8 (26)	VA-62924	VA-62925	VA-62926	—	