

# I/P® Precision Pump Tubing

## Engineered for long life in peristaltic pumps

- Ensure optimal Masterflex® pump performance
- Custom extruded to fit Masterflex pumps
- Lot-to-lot consistency for superior accuracy and repeatability

Tubing size	I/P 26	I/P 73	I/P 82
Inner diameter	6.4 mm (0.25")	9.5 mm (0.37")	12.7 mm (0.5")
Hose barb size	6.4 mm (¼")	9.5 mm (⅜")	12.7 mm (½")
Flow range (approximate)†	0.01 to 4 LPM 0.002 to 1.1 GPM	0.01 to 8 LPM 0.002 to 2.1 GPM	0.02 to 13 LPM 0.005 to 3.5 GPM

Pump tubing formulation	Description	Compatible pump head			
<b>Silicone</b> (platinum-cured) 	<ul style="list-style-type: none"> <li>- Complies with USP Class V, EP, FDA, REACH, RoHS, ADFC</li> <li>- Fungus-resistant; phthalate- and latex-free</li> <li>- Accommodates a wide temperature range</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load®</li> </ul>	<a href="#">GY-96410-26</a>	<a href="#">GY-96410-73</a>	<a href="#">GY-96410-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>Silicone</b> (peroxide-cured) 	<ul style="list-style-type: none"> <li>- Complies with USP Class VI, EP, FDA, 3A, REACH, RoHS, ADFC</li> <li>- Greater physical compression capability</li> <li>- Economical, longer tubing life</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-96400-26</a>	<a href="#">GY-96400-73</a>	<a href="#">GY-96400-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>BioPharm Silicone</b> (platinum-cured) 	<ul style="list-style-type: none"> <li>- Complies with USP Class VI, EP, FDA, 3A, REACH, RoHS, ADFC</li> <li>- Lower absorption; excellent biocompatibility</li> <li>- Very low extractable and weather, ozone, corona, radiation resistant</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-96420-26</a>	<a href="#">GY-96420-73</a>	<a href="#">GY-96420-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>BioPharm Plus Silicone</b> (platinum-cured) 	<ul style="list-style-type: none"> <li>- Complies with USP Class VI, EP, FDA, 3A, REACH, RoHS, ADFC</li> <li>- Ultra-smooth—minimizes particle entrapment</li> <li>- Very low extractable—ideal for lab, biotech pharma applications</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-96440-26</a>	<a href="#">GY-96440-73</a>	<a href="#">GY-96440-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>Puri-Flex™</b> 	<ul style="list-style-type: none"> <li>- Complies with USP Class VI, EP, REACH, RoHS, ADFC</li> <li>- Heat sealable, weldable, and economical</li> <li>- Long pump life when compared to silicone or many other TPE tubings</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-96419-26</a>	<a href="#">GY-96419-73</a>	<a href="#">GY-96419-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>C-Flex®</b> 	<ul style="list-style-type: none"> <li>- Complies with USP Class VI, EP, REACH, RoHS, ADFC</li> <li>- Heat sealable, weldable, economical</li> <li>- Better resistance to pH fluctuations</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06424-26</a>	<a href="#">GY-06424-73</a>	<a href="#">GY-06424-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>C-Flex® ULTRA</b> 	<ul style="list-style-type: none"> <li>- Complies with USP Class VI, EP, REACH, RoHS, ADFC</li> <li>- Longest life of any C-Flex formulation</li> <li>- Lowest spallation and reduced residue</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06434-26</a>	<a href="#">GY-06434-73</a>	<a href="#">GY-06434-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>PharMed® BPT</b> 	<ul style="list-style-type: none"> <li>- Complies: USP Class VI, EP, FDA, NSF, REACH, RoHS</li> <li>- Over 10,000 hours of tubing life, sealable, weldable</li> <li>- Ideal for tissue and cell culture work</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06508-26</a>	<a href="#">GY-06508-73</a>	<a href="#">GY-06508-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>PharmaPure®</b> 	<ul style="list-style-type: none"> <li>- Complies with USP Class VI, EP, FDA, REACH, RoHS</li> <li>- Nontoxic and nonhemolytic biocompatible</li> <li>- Long life even under pressure with VERY low spallation</li> </ul>		<a href="#">GY-06435-26</a>	<a href="#">GY-06435-73</a>	<a href="#">GY-06435-82</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>Chem-Durance® Bio</b> 	<ul style="list-style-type: none"> <li>- Complies: USP Class VI, FDA, REACH, RoHS</li> <li>- Excellent chemical compatibility and biocompatibility</li> <li>- Excellent pump life, durable under pressure</li> </ul>	<ul style="list-style-type: none"> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06442-26</a>	<a href="#">GY-06442-73</a>	<a href="#">GY-06442-82</a>
			15.2 m (50 ft)/pk	15.2 m (50 ft)/pk	15.2 m (50 ft)/pk

Tech Information

Masterflex® C/L

Masterflex® L/S

Masterflex® I/P

Masterflex® B/T

Accessories & Parts

### Benchtop Tubing Cutter

Steel blade makes right-angle cuts in several sizes of Masterflex tubing:

C/L® 2.06 mm, 2.79 mm OD  
L/S® sizes 13, 14, 15, 16, 17, 18, 24, 25, 35, 36  
I/P® sizes 26, 73



[GY-06438-10](#) Benchtop tubing cutter

Pump tubing formulation	Description	Compatible pump head	I/P 26	I/P 73	I/P 82
<b>Tygon® E-LFL</b> 	<ul style="list-style-type: none"> <li>Complies with USP Class VI, EP, FDA, EU Food, REACH, RoHS, ABCF</li> <li>Longest life of all Tygon formulations</li> <li>Broad chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load®</li> </ul>	<a href="#">GY-06440-26</a> 7.6 m (25 ft)/pk	<a href="#">GY-06440-73</a> 7.6 m (25 ft)/pk	<a href="#">GY-06440-82</a> 7.6 m (25 ft)/pk
<b>Tygon E-Food (B-44-4X)</b> 	<ul style="list-style-type: none"> <li>Complies with FDA, EU Food, NSF, 3A, REACH, RoHS, ABCF</li> <li>Smooth inner surface unaffected by commercial sanitizers</li> <li>Nontoxic, will not affect taste or odor</li> </ul>	<ul style="list-style-type: none"> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06418-26</a> 15.2 m (50 ft)/pk	<a href="#">GY-06418-73</a> 15.2 m (50 ft)/pk	<a href="#">GY-06418-82</a> 15.2 m (50 ft)/pk
<b>Tygon E-Lab (E-3603)</b> 	<ul style="list-style-type: none"> <li>Complies with USP Class VI, FDA, EU Food, NSF, REACH, RoHS, ABCF</li> <li>Ideal for general transfer applications</li> <li>Nonaging, nonoxidizing, low gas permeability</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06509-26</a> 15.2 m (50 ft)/pk	<a href="#">GY-06509-73</a> 15.2 m (50 ft)/pk	<a href="#">GY-06509-82</a> 15.2 m (50 ft)/pk
<b>Tygon Fuel &amp; Lubricant (F-4040-A)</b> 	<ul style="list-style-type: none"> <li>Complies with REACH, RoHS, ABCF</li> <li>Specially formulated to transport hydrocarbons, petroleum products, distillates</li> <li>Very low gas permeability</li> </ul>	<ul style="list-style-type: none"> <li>✓ Easy-Load</li> </ul>	—	<a href="#">GY-06401-73</a> 15.2 m (50 ft)/pk	<a href="#">GY-06401-82</a> 15.2 m (50 ft)/pk
<b>Tygon Chemical (2001)</b> 	<ul style="list-style-type: none"> <li>Complies with FDA 21 CFR 175.300, REACH, RoHS, ABCF</li> <li>Best chemical resistance of any Tygon formulation</li> <li>Plasticizer-free and low gas permeability</li> </ul>	<ul style="list-style-type: none"> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06475-26</a> 15.2 m (50 ft)/pk	<a href="#">GY-06475-73</a> 15.2 m (50 ft)/pk	<a href="#">GY-06475-82</a> 15.2 m (50 ft)/pk
<b>Norprene® (A-60 G)</b> 	<ul style="list-style-type: none"> <li>Complies with NSF, REACH, RoHS</li> <li>Up to 10,000 hours of tubing life</li> <li>Best choice for pressure/vacuum applications</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06404-26</a> 15.2 m (50 ft)/pk	<a href="#">GY-06404-73</a> 15.2 m (50 ft)/pk	<a href="#">GY-06404-82</a> 15.2 m (50 ft)/pk
<b>Norprene Food (A 60 F)</b> 	<ul style="list-style-type: none"> <li>Complies with FDA, 3A, NSF, REACH, RoHS</li> <li>Ideal for high-temperature food applications</li> <li>Resists heat, ozone, acids, and alkalis</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-06402-26</a> 15.2 m (50 ft)/pk	<a href="#">GY-06402-73</a> 15.2 m (50 ft)/pk	<a href="#">GY-06402-82</a> 15.2 m (50 ft)/pk
<b>Viton®</b> 	<ul style="list-style-type: none"> <li>Complies with FDA, ABCF</li> <li>Perfect where FDA and chemical compatibility are needed</li> <li>Resists corrosives, solvents, and oils at elevated temperatures</li> </ul>	<ul style="list-style-type: none"> <li>✓ Standard</li> <li>✓ Easy-Load</li> </ul>	<a href="#">GY-96412-26</a> 7.6 m (25 ft)/pk	<a href="#">GY-96412-73</a> 7.6 m (25 ft)/pk	—

†Determined under the following conditions: Using a 1 to 650 rpm drive; 0 psi at inlet, 0.5 psi at outlet; water temperature at 22°C (72°F).

### Overlook Filler/Dispensing Nozzles

- Maximize the speed, precision, and accuracy of dispensing and filling applications
- Minimize splashing and dripping when dispensing into narrow- or wide-mouth containers
- Dimensional tolerances of ±0.05% for assured repeatability

Tubing ID	Catalog number	Price
1/32"	<a href="#">GY-30619-06</a>	
1/16"	<a href="#">GY-30619-01</a>	
1/8"	<a href="#">GY-30619-07</a>	
3/16"	<a href="#">GY-30619-02</a>	
1/4"	<a href="#">GY-30619-08</a>	
5/16"	<a href="#">GY-30619-03</a>	
3/8"	<a href="#">GY-30619-09</a>	
1/2"	<a href="#">GY-30619-04</a>	
5/8"	<a href="#">GY-30619-10</a>	
3/4"	<a href="#">GY-30619-05</a>	












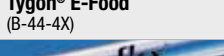
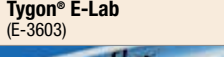




# I/P® High-Performance Precision Pump Tubing

Thicker wall compared to our Precision pump tubing

- Best choice for applications involving pressure, suction lift, viscous fluids, or long tubing life

Tubing size	I/P 70	I/P 88	I/P 89
Inner diameter	9.5 mm (0.37")	12.7 mm (0.5")	15.88 mm (0.62")
Hose barb size	9.5 mm (3/8")	12.7 mm (1/2")	15.88 mm (5/8")
Flow range (approximate)†	0.01 to 8 LPM 0.002 to 2.1 GPM	0.02 to 17 LPM 0.005 to 4.5 GPM	0.03 to 19 LPM 0.007 to 5.0 GPM

Pump tubing formulation	Description	Compatible pump head			
<b>Silicone</b> (platinum-cured) 	<ul style="list-style-type: none"> <li>– Complies: USP Class V, EP, FDA, REACH, RoHS, ADFC</li> <li>– Fungus-resistant; phthalate- and latex-free</li> <li>– Accommodates a wide temperature range</li> </ul>	✓ High-Performance	<a href="#">GY-96510-70</a>	<a href="#">GY-96510-88</a>	<a href="#">GY-96510-89</a>
			3 m (10 ft)/pk	3 m (10 ft)/pk	3 m (10 ft)/pk
<b>BioPharm Silicone</b> (platinum-cured) 	<ul style="list-style-type: none"> <li>– Complies with USP Class VI, EP, FDA, 3A, REACH, RoHS, ADFC</li> <li>– Lower absorption; excellent biocompatibility</li> </ul>	✓ High-Performance	<a href="#">GY-96421-70</a>	<a href="#">GY-96421-88</a>	<a href="#">GY-96421-89</a>
			3 m (10 ft)/pk	3 m (10 ft)/pk	3 m (10 ft)/pk
<b>BioPharm Plus Silicone</b> (platinum-cured) 	<ul style="list-style-type: none"> <li>– Complies: USP Class VI, EP, FDA, 3A, REACH, RoHS, ADFC</li> <li>– Ultra-smooth—minimizes particle entrapment</li> </ul>	✓ High-Performance	<a href="#">GY-96441-70</a>	<a href="#">GY-96441-88</a>	<a href="#">GY-96441-89</a>
			3 m (10 ft)/pk	3 m (10 ft)/pk	3 m (10 ft)/pk
<b>Puri-Flex™</b> 	<ul style="list-style-type: none"> <li>– Complies: USP Class VI, FDA, REACH, RoHS, ADFC</li> <li>– Heat sealable, weldable, and economical</li> <li>– Long pump life when compared to silicone</li> </ul>	✓ High-Performance	<a href="#">GY-96419-70</a>	<a href="#">GY-96419-88</a>	<a href="#">GY-96419-89</a>
			3 m (10 ft)/pk	3 m (10 ft)/pk	3 m (10 ft)/pk
<b>C-Flex®</b> 	<ul style="list-style-type: none"> <li>– Complies: USP Class VI, EP, REACH, RoHS, ADFC</li> <li>– Heat sealable, weldable, economical</li> <li>– Better resistance to pH fluctuations</li> </ul>	✓ High-Performance	<a href="#">GY-06424-70</a>	<a href="#">GY-06424-88</a>	<a href="#">GY-06424-89</a>
			3 m (10 ft)/pk	3 m (10 ft)/pk	3 m (10 ft)/pk
<b>PharMed® BPT</b> 	<ul style="list-style-type: none"> <li>– Complies: USP Class VI, EP, FDA, NSF, REACH, RoHS</li> <li>– &gt;10,000 hours of tubing life, sealable, weldable</li> <li>– Ideal for tissue and cell culture work</li> </ul>	✓ High-Performance	<a href="#">GY-06508-70</a>	<a href="#">GY-06508-88</a>	—
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	—
<b>Chem-Durance® Bio</b> 	<ul style="list-style-type: none"> <li>– Complies: USP Class VI, FDA, REACH, RoHS</li> <li>– Excellent biocompatibility, chemical compatibility</li> <li>– Excellent pump life, durable under pressure</li> </ul>	✓ High-Performance	<a href="#">GY-06442-70</a>	<a href="#">GY-06442-88</a>	<a href="#">GY-06442-89</a>
			15.2 m (50 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>Tygon® E-LFL</b> 	<ul style="list-style-type: none"> <li>– Complies with USP Class VI, EP, FDA, EU Food, REACH, RoHS, ABCF</li> <li>– Longest life of all Tygon formulations</li> </ul>	✓ High-Performance	<a href="#">GY-06440-70</a>	<a href="#">GY-06440-88</a>	<a href="#">GY-06440-89</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>Tygon® E-Food</b> (B-44-4X) 	<ul style="list-style-type: none"> <li>– Complies: FDA, EU Food, NSF, 3A, REACH, RoHS, ABCF</li> <li>– Smooth inner surface unaffected by commercial sanitizers; will not affect taste or odor</li> </ul>	✓ High-Performance	<a href="#">GY-06418-70</a>	<a href="#">GY-06418-88</a>	<a href="#">GY-06418-89</a>
			15.2 m (50 ft)/pk	15.2 m (50 ft)/pk	15.2 m (50 ft)/pk
<b>Tygon® E-Lab</b> (E-3603) 	<ul style="list-style-type: none"> <li>– Complies with USP Class VI, FDA, EU Food, NSF, REACH, RoHS, ABCF</li> <li>– Ideal for general transfer applications; nonaging, nonoxidizing, low gas permeability</li> </ul>	✓ High-Performance	<a href="#">GY-06509-70</a>	<a href="#">GY-06509-88</a>	<a href="#">GY-06509-89</a>
			15.2 m (50 ft)/pk	15.2 m (50 ft)/pk	15.2 m (50 ft)/pk
<b>Norprene®</b> (A-60 G) 	<ul style="list-style-type: none"> <li>– Complies with NSF, REACH, RoHS</li> <li>– Up to 10,000 hours of tubing life</li> <li>– Best choice for pressure/vacuum applications</li> </ul>	✓ High-Performance	<a href="#">GY-06404-70</a>	<a href="#">GY-06404-88</a>	<a href="#">GY-06404-89</a>
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
<b>Norprene Food</b> (A-60 F) 	<ul style="list-style-type: none"> <li>– Complies with FDA, 3A, NSF, REACH, RoHS</li> <li>– Ideal for high-temperature food applications</li> <li>– Resists heat, ozone, acids, and alkalis</li> </ul>	✓ High-Performance	—	<a href="#">GY-06402-88</a>	<a href="#">GY-06402-89</a>
			—	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk

†Determined under the following conditions: Using a 1 to 650 rpm drive; 0 psi at inlet, 0.5 psi at outlet; water temperature at 22°C (72°F).

## I/P® Sanitary Pump Tubing Assemblies

### Get quick and easy connections

#### Features/Benefits

- Ideal for biotech, pharmaceutical, food, beverage, and dairy processing applications
- Pre-molded tubing ends with ½" mini-connection for bacteria-free fluid transfer
- Sanitary tubing is less thermally conductive than metallic tubing systems and not subject to galvanic action, RFI, or EMI

#### How to Connect Tubing

- Each length of tubing features pre-molded ends with ½" mini-connection. One end has molded-in gasket to ensure quality seal.
- Pre-molded ends allow quick connection to an adapter or to additional length of sanitary tubing
- Join ½" mini-connection to another ½" mini-connection, adapter, or to system with a push/pull clamp. Clamped connection withstands greater pressures than tubing.

#### How to Order

1. Order your desired tubing formulation and length. Choose tubing size based on flow range (see chart on pages 728-730).
2. Order PVDF push/pull clamp (separately below).
3. Order silicone or Viton® gaskets as needed to connect to your system or to adapters.
4. Select sanitary adapters as needed.



I/P PharMed® BPT sanitary tubing features pre-molded ends with ½" mini-connection.

Tubing size	Platinum-cured silicone (96410-series) 5-ft (1.5-m) length		Platinum-cured silicone (96410-series) 10-ft (3-m) length		PharMed® BPT (06508-series) 5-ft (1.5-m) length		PharMed® BPT (06508-series) 10-ft (3-m) length	
	Catalog number	Price	Catalog number	Price	Catalog number	Price	Catalog number	Price
<b>I/P Precision sanitary pump tubing</b>								
I/P 26	<a href="#">GY-96100-26</a>		<a href="#">GY-96101-26</a>		<a href="#">GY-96112-26</a>		<a href="#">GY-96113-26</a>	
I/P 73	<a href="#">GY-96100-73</a>		<a href="#">GY-96101-73</a>		<a href="#">GY-96112-73</a>		<a href="#">GY-96113-73</a>	
I/P 82	<a href="#">GY-96100-82</a>		<a href="#">GY-96101-82</a>		<a href="#">GY-96112-82</a>		<a href="#">GY-96113-82</a>	
<b>I/P High-Performance Precision sanitary pump tubing</b>								
I/P 70	—	—	—	—	<a href="#">GY-96112-70</a>		<a href="#">GY-96113-70</a>	
I/P 88	—	—	—	—	<a href="#">GY-96112-88</a>		<a href="#">GY-96113-88</a>	

## Accessories for I/P® Sanitary Pump Tubing

**GY-31201-88 Push/pull clamp**, PVDF. For quick joining of two ½" mini connections

**Gaskets.** Order gaskets to join ½" mini connection without molded-in gasket to another ½" mini connection without molded-in gasket or to an adapter (sold separately below).

**GY-30548-00 Silicone gasket** for use with sanitary silicone (platinum-cured) tubing. Pack of 10.

**GY-30548-20 Viton® gasket** for use with sanitary PharMed® BPT tubing. Pack of 10



Push/pull clamp  
Both tubing ends shown with ½" mini-connection

#### Adapters

Adapter connections	Polypropylene		PVDF	
	Cat. no.	Price	Cat. no.	Price
½" mini to ¼" NPT(M)	<a href="#">GY-31200-01</a>		<a href="#">GY-31201-01</a>	
½" mini to ¼" NPT(F)	<a href="#">GY-31200-11</a>		<a href="#">GY-31201-11</a>	
½" mini to ¼" hose barb	<a href="#">GY-31805-25</a>		<a href="#">GY-31808-25</a>	
½" mini to ⅜" NPT(M)	<a href="#">GY-31200-02</a>		<a href="#">GY-31201-02</a>	
½" mini to ⅜" NPT(F)	<a href="#">GY-31200-12</a>		<a href="#">GY-31201-12</a>	
½" mini to ⅜" hose barb	<a href="#">GY-31805-26</a>		<a href="#">GY-31808-26</a>	
½" mini to ½" NPT(M)	<a href="#">GY-31200-03</a>		<a href="#">GY-31201-03</a>	
½" mini to ½" NPT(F)	<a href="#">GY-31200-13</a>		<a href="#">GY-31201-13</a>	
½" mini to 1" ladish	<a href="#">GY-31805-05</a>		<a href="#">GY-31201-40</a>	
½" mini to female luer lock	<a href="#">GY-31200-50</a>		<a href="#">GY-31201-50</a>	



Adapters

### Teky's Tips



#### How to Increase Tubing Life

- Run larger tubing sizes at slower speeds
- Reduce occlusion
- Use Masterflex High-Performance precision tubing
- Select longer life material (Norprene, PharMed BPT, Tygon E-LFL, BioPharm Plus)
- Reduce pressure in system
- Stop pump periodically, move tubing 20–25 cm (8–10 in.) forward



Teky's Tips



Choosing Pump Tubing

- Consider all aspects of your application: flow rate, pressure, viscosity, etc.
- If your application requires the generation of high pressure, a strong vacuum/suction lift, or involves viscous fluids, consider using High-Performance Precision tubing.
- Norprene®, PharMed® BPT, and Tygon® are the firmest formulations we offer; C-Flex® and silicone are the softest. Firm tubing has better pressure generation, stronger vacuum/suction lift, and lower gas permeability.
- Review the tubing compatibility charts on pages 682-683 and specific information on tubing materials on pages 679-681.
- Always test tubing before extended use.

**Note:** Use High-Performance Precision tubing only with the High-Performance pump head.

I/P® Spooled Pump Tubing

Don't waste tubing!

- Eliminate waste by cutting to the exact length needed for your application
- Continuous lengths of tubing are convenient and cost-effective
- Spools contain up to 400 ft (121.9 m) of continuous pump tubing, depending on size
- Save space and shipping costs by buying in bulk
- Good choice for applications requiring long, continuous runs of tubing, or which use odd-size lengths that generate scrap when using standard 25- or 50-ft (7.6- or 15.2-m) coils



Tubing size	Peroxide-cured silicone (96400-series)			Platinum-cured silicone (96410-series)			PharMed® BPT (06508-series)			BioPharm Silicone (96420-series and 96421-series*)			C-Flex® (06424-series)		
	ft (m)	Catalog number	Price	ft (m)	Catalog number	Price	ft (m)	Catalog number	Price	ft (m)	Catalog number	Price	ft (m)	Catalog number	Price
I/P 26	—	—	—	200 (61.0)	<a href="#">GY-96403-26</a>	—	—	—	—	400 (121.9)	<a href="#">GY-96423-26</a>	—	400 (121.9)	<a href="#">GY-06427-26</a>	—
I/P 73	150 (45.7)	<a href="#">GY-96402-73</a>	—	45.7 (150)	<a href="#">GY-96403-73</a>	—	45.7 (150)	<a href="#">GY-95687-73</a>	—	100 (30.5)	<a href="#">GY-96423-73</a>	—	100 (30.5)	<a href="#">GY-06427-73</a>	—
I/P 82	100 (30.5)	<a href="#">GY-96402-82</a>	—	100 (30.5)	<a href="#">GY-96403-82</a>	—	100 (30.5)	<a href="#">GY-95687-82</a>	—	—	—	—	100 (30.5)	<a href="#">GY-06427-82</a>	—
I/P 88	—	—	—	—	—	—	—	—	—	100 (30.5)	<a href="#">GY-96423-88*</a>	—	—	—	—
I/P 89	—	—	—	—	—	—	—	—	—	100 (30.5)	<a href="#">GY-96423-89*</a>	—	—	—	—

I/P® Bulk-Packed Pump Tubing

Save money and always have enough tubing on hand

- Prevent contamination—tubing coils are individually bagged and sealed
- Use as many or as few as you need, and store the rest
- Save money by buying and shipping in bulk
- Bulk packs contain ten individually bagged, sealed 25-ft (7.6-m) coils of tubing, all from a single manufacturing lot



Bulk packs offer individually sealed bags of tubing at a lower price per pack than individual packs—so you save money!

Tubing size	Number of 25-ft (7.6-m) bags per box	Platinum-cured silicone (96410-series)		PharMed® BPT (06508-series)		C-Flex® (06424-series)	
		Catalog number	Price	Catalog number	Price	Catalog number	Price
I/P 26	10	<a href="#">GY-96404-26</a>	—	—	—	<a href="#">GY-06436-26</a>	—
I/P 73	10	<a href="#">GY-96404-73</a>	—	—	—	<a href="#">GY-06436-73</a>	—
I/P 82	10	<a href="#">GY-96404-82</a>	—	<a href="#">GY-95691-82</a>	—	<a href="#">GY-06436-82</a>	—