

L/S® PTFE-Tubing Pump Head

Ideal for high-purity fluids and aggressive organic solvents

- Pump fluids at pressures up to 100 psi (6.9 bar)
- Use for applications including filtration, chemical injection, and high-purity sampling
- PTFE tubing is the only wetted part
- Compatible with L/S drives that accept two or more pump heads (1/10 hp min); For best results, run at 1 to 300 rpm

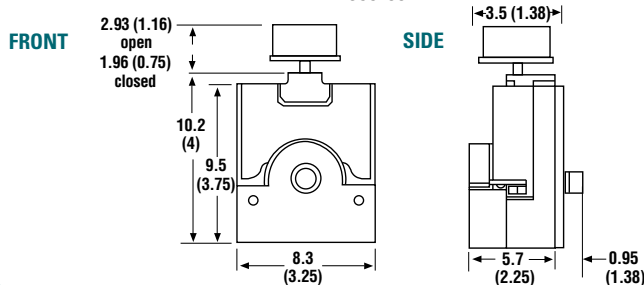
FEATURES

- ✓ PTFE is the only wetted part—safely transfer aggressive organic solvents
- ✓ Adjustable occlusion for higher pressure or longer tubing life
- ✓ Use with rigid tubing for pressures up to 100 psi (6.9 bar)
- ✓ Not stackable

Note: PTFE-tubing pump head accepts **only** the Masterflex L/S PTFE tubing sets sold below; ordinary PTFE tubing cannot be substituted. Use the connectors to adapt the tubing sets to your system.



Dimensional Drawings cm (in.)
77390-00



Specifications

ISO9001:2008
CERTIFIED SUPPLIER

Materials: anodized aluminum and acetal body; stainless steel rotor assembly

Dimensions (W x H x D): 3¼" x 5½" x 2¼"
(8.3 x 13 x 5.7 cm)

Flow rates (mL/min at 1 to 300 rpm)		Maximum continuous pressure	Max suction lift	Avg tubing life (100 rpm, 0 psi)	Number of rollers	Catalog number	Price
4-mm OD tubing	6-mm OD tubing						
0.06 to 17	0.25 to 65	100 psi (6.9 bar)	8 ft (2.4 m)	500 hours	Six	GY-77390-00	

PTFE-Tubing Sets

PTFE-tubing sets include two 15" (38 cm) lengths and cannot be substituted with ordinary PTFE tubing.

[GY-77390-50](#) PTFE-tubing set. 2-mm ID, 4-mm OD. Set of 2

[GY-77390-60](#) PTFE-tubing set. 4-mm ID, 6-mm OD. Set of 2

Accessories for Tubing Sets

The compression fittings listed below adapt tubing sets to your system.

For 4-mm OD PTFE-Tubing Sets

[GY-31321-61](#) Straight connector, 40 psi (2.8 bar) max

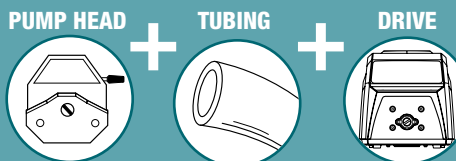
[GY-06605-53](#) PTFE extension tubing, 4-mm OD. Pack of 25 ft (7.6 m)

For 6-mm OD PTFE-Tubing Sets

[GY-31321-64](#) Straight connector, 135 psi (9.2 bar) max

[GY-06605-54](#) PTFE extension tubing, 6-mm OD. Pack of 25 ft (7.6 m)

Choose a Complete System
One catalog number includes all 3!



System	Flow range	What's included?			Power	Catalog number	Price
		Pump head	Tubing	Drive			
	0.75 to 65 mL/min	PTFE-tubing pump head 77390-00 (above)	PTFE-tubing set, 6-mm OD 77390-60 (above)	Variable-speed drive 07528-20 3 to 300 rpm	90 to 260 VAC, 50/60 Hz	GY-77912-10	

Note: Systems also include two ¼" NPT(M) pipe adapters.