

Catalyst™ Peristaltic Pumps

You'll be up to speed and pumping in no time at all

NEW

- Integrated pump and drive systems are provided fully assembled, reducing setup time
- Pump head accepts multiple tubing sizes for a broad flow range
- Integral pump head allows tubing change in less than 30 seconds—tubing occlusion is automatic when pump head is closed
- Interlock switch powers unit down when pump head is opened for tubing change
- Contamination-free pumping—the fluid contacts only the tubing



A

A. Catalyst FH100 Precision Peristaltic Pumps

- Intuitive keypad is easy to use—quickly increase or decrease flow
- Digital display of speed (rpm) for accurate control and repeatability
- Reversible motor permits purging of tubing before and after use
- Remote control capability is ideal for automated process applications



B

B. Catalyst FH100D Digital Peristaltic Dispensing Pumps

- Accurate dispensing from a simple, ready-to-use pump
- Clear multiline LCD displays all operational parameters
- Control capabilities include programmable dispensing in volume, time, or copy modes
- Programmed delay between cycles for convenient automated dispensing
- Programmable in seven languages—provides easy intuitive setup
- Optimize system accuracy by calibrating the pump system under application conditions—the calibration is stored in memory—one calibration value per tubing size



Flow range (mL/min)	Tubing sizes accepted (mm ID)	Speed range	Speed control (repeatability)	Remote control input	Reversible motor	Power (50/60 Hz)		Catalog number	Price
						VAC	Amps		
A. Catalyst FH100 pump accepts 1.6 mm (thin-wall) tubing									
0.5 to 3000	0.8, 1.6, 3.2, 4.8, 6.4, 8.0	4 to 400 rpm	±0.25%	4 to 20 mA, 0 to 10 V	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	GY-77722-00	
A. Catalyst FH100X pump accepts 2.4 mm (thick-wall) tubing									
14 to 4000	4.8, 6.4, 8.0, 9.5	4 to 400 rpm	±0.25%	4 to 20 mA, 0 to 10 V	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	GY-77722-02	
B. Catalyst FH100D pump accepts 1.6 mm (thin-wall) tubing									
0.5 to 3000	0.8, 1.6, 3.2, 4.8, 6.4, 8.0	4 to 400 rpm	±0.25%	0 to 20 mA, 4 to 20 mA, 0 to 10 V scalable	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	GY-77722-10	
B. Catalyst FH100DX pump accepts 2.4 mm (thick-wall) tubing									
14 to 4000	4.8, 6.4, 8.0, 9.5	4 to 400 rpm	±0.25%	0 to 20 mA, 4 to 20 mA, 0 to 10 V scalable	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	GY-77722-12	

Accessories

[GY-07528-80](#) Handheld remote controller for models FH100 and FH100X.

DB9; for on/off control; route tubing through handle for filling applications

[GY-07523-97](#) Handheld remote controller for models FH100D and FH100DX.

DB25; for on/off control; route tubing through handle for dispensing applications

[GY-17050-01](#) NIST-traceable calibration with data for peristaltic pumps

Tubing Coils

Description	1.6 mm (thin-wall) tubing for FH100 and FH100D pumps						2.4 mm (thick-wall) tubing for FH100X and FH100DX pumps			
	0.8 mm	1.6 mm	3.2 mm	4.8 mm	6.4 mm	8.0 mm	4.8 mm	6.4 mm	8 mm	9.5 mm
Inner diameter	0.8 mm	1.6 mm	3.2 mm	4.8 mm	6.4 mm	8.0 mm	4.8 mm	6.4 mm	8 mm	9.5 mm
Hose barb size	1/32"	1/16"	1/8"	3/16"	1/4"	5/16"	3/16"	1/4"	5/16"	3/8"
Flow (mL/min)	0.5 to 40	2.0 to 150	6.5 to 550	16 to 1200	24 to 2000	36 to 3000	14 to 1200	24 to 2000	36 to 3000	48 to 4000
Length/pkg	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)
Silicone, platinum-cured	—	GY-97000-71	GY-97000-72	GY-97000-73	GY-97000-74	GY-97000-75	GY-97000-76	GY-97000-77	GY-97000-78	GY-97000-79
PharMed® BPT	GY-97000-20	GY-97000-21	GY-97000-22	GY-97000-23	GY-97000-24	GY-97000-25	—	—	—	—
Norprene® Food	—	GY-97000-41	GY-97000-42	GY-97000-43	GY-97000-44	GY-97000-45	—	—	—	—
Tygon® E-Food	—	GY-97000-61	GY-97000-62	GY-97000-63	GY-97000-64	GY-97000-65	—	GY-97000-67	GY-97000-68	GY-97000-69