

The FH100 and FH100X general purpose pumps provide superior pump performance and ease-of-use. These durable pumps handle a wide range of fluids from the highest purity to extremely caustic solutions.

Thermo Scientific FH100

General Purpose
Peristaltic Tubing Pump



FH 100X
72-320-100

Markets/Applications

Ideal for a wide variety of life science and industrial applications:

- Sample prep
- General dispensing
- Media dispensing
- Dilution blank
- Dispensing reagents
- Biopharmaceuticals
- Agrochemicals
- Oil analysis
- Sampling
- Filling
- Cell Culture
- Buffer recirculation
- Chromatography
- Stem cell research
- Chemical feed
- Filtration

Product Benefits

Easy to Maintain

- Easy-to-use fluid handling system - simple control keypad with integrated pump head
- Low maintenance with minimum downtime - new rapid loading pump head allows tubing change in less than 30 seconds
- Space efficient - low-profile, stackable design with a small foot print
- Interface with other instrumentation - remote control capability
- Accurate, reliable control of flow and dosing - digital display of RPM for accurate control

Easy-to-Use Controls

- Stop and start from the front panel
- Increase/decrease flow
- Select internal or external remote signal control

Remote Control Capability

- Start/Stop
- Flow direction (CW/CCW)
- Flow control via 4-20 mA current or 0 to 10v DC.
- Remote/local mode selection

Product Specifications

Flowrate by Tubing Size	Tubing Size	FH100 Flow Rates						FH100X Flow Rates			
		13	14	16	25	17	18	15	24	35	36
		ml/min	0.50 – 40	2.0 – 150	6.5 – 550	14 – 1200	24 – 2000	36 – 3000	14 to 1200	24 to 2000	36 to 3000
	Tubing I.D.	1/32	1/16	1/8	3/16	1/4	5/16	3/16	1/4	5/16	3/8
		0.08 mm	1.6 mm	3.2 mm	4.8 mm	6.4 mm	8.0 mm	4.8 mm	6.4 mm	8.0 mm	9.5 mm

Specifications & Ordering Information

	FH100	FH100X
Catalog number	72-320-000	72-320-100
PERFORMANCE		
Flow Capacity (ml/min)	0.5 to 3,000	14 to 4,000
RPM	4 to 400	
Reversible	Yes	
External Control - Input	4-20 mA; 0 – 10 V; Remote / Local; Dir (CW/CCW); Start/Stop	
Pump Open Lockout or door Sensor	Yes	
ELECTRICAL		
Voltage (AC) 60/50 (Hz)	90 to 130V AC or 200 to 260 V AC; Single phase, auto-selected	
Current	1.6 A @ 115V; 1.9A @ 230V	
Motor Type	PMDC	
Motor Size	1/10 (75w)	
Speed Control	Phased Controlled	
Display (rpm)	Seven-segment, 3-digit, Blue LED, 1 RPM resolution	
Speed regulation (accuracy)	± 0.25%	
PHYSICAL SPECIFICATIONS		
Housing and pump head construction	Housing: ABS; Pumphead: GF Nylon, Delrin*, Stainless steel, Cold-rolled steel, Buna N, Polycarbonate	
IP rating	IP31	
Agency approvals	ETL, cETL, CE, RoHS	
Storage temperature	-25C to 65C	
Operating temperature	0C to 40C	
Dimensions (L x W X H)	31.7 x 27.9 x 15.2 (cm) 12.5 x 11 x 6 (in)	
Shipping Weight	7 (kgs) 15 lbs	

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