

GENERAL DESCRIPTION

This unit combines the convenience of the Masterflex® I/P® Easy-Load® pump head with a high performance brushless DC motor for a simplified and spacious high-flow pump system.

The Easy-Load® head combines an over-center cam with automatic tubing retention in a rugged, chemical-resistant housing- allowing for fast, easy tubing changes without removing the pump head. Built-in tubing guide ensures correct positioning of tubing to maximize performance and pump tubing life. Spring-loaded tubing retainers ensure tubing is secured automatically to promote long tubing life and optimize performance of each tubing size. The brushless DC motors is ideal for applications where a long lifetime is needed.



MARKETS & APPLICATIONS

Designed for simple integration into original equipment manufactured systems for sanitary or general fluid transfer and dispensing applications.

FEATURES & BENEFITS

- Compact design for efficient use of space
- Three roller design for smooth flow
- Automatic tubing retention eliminates user adjustments and makes setup easy—offers improved tubing life and improved performance
- Accepts multiple tubing sizes for maximum flexibility
- Brushless DC motor

TUBING SIZING CHART

Pump tubing size	Flow rate – mL/rev	Flow rate @ 600 rpm	Max pressure†	Max vacuum†	Suction lift
I/P 26	6.2	3.7 LPM (1.0 GPM)	2.06 bar	660 Hg (24" Hg)	8.8 m H ₂ O (29 ft H ₂ O)
I/P 73	12.3	7.4 LPM (2.0 GPM)	2.70 bar	660 Hg (24" Hg)	8.8 m H ₂ O (29 ft H ₂ O)
I/P 82	20.0	12 LPM (3.2 GPM)	1.40 bar	510 Hg (20" Hg)	7.0 m H ₂ O (23 ft H ₂ O)

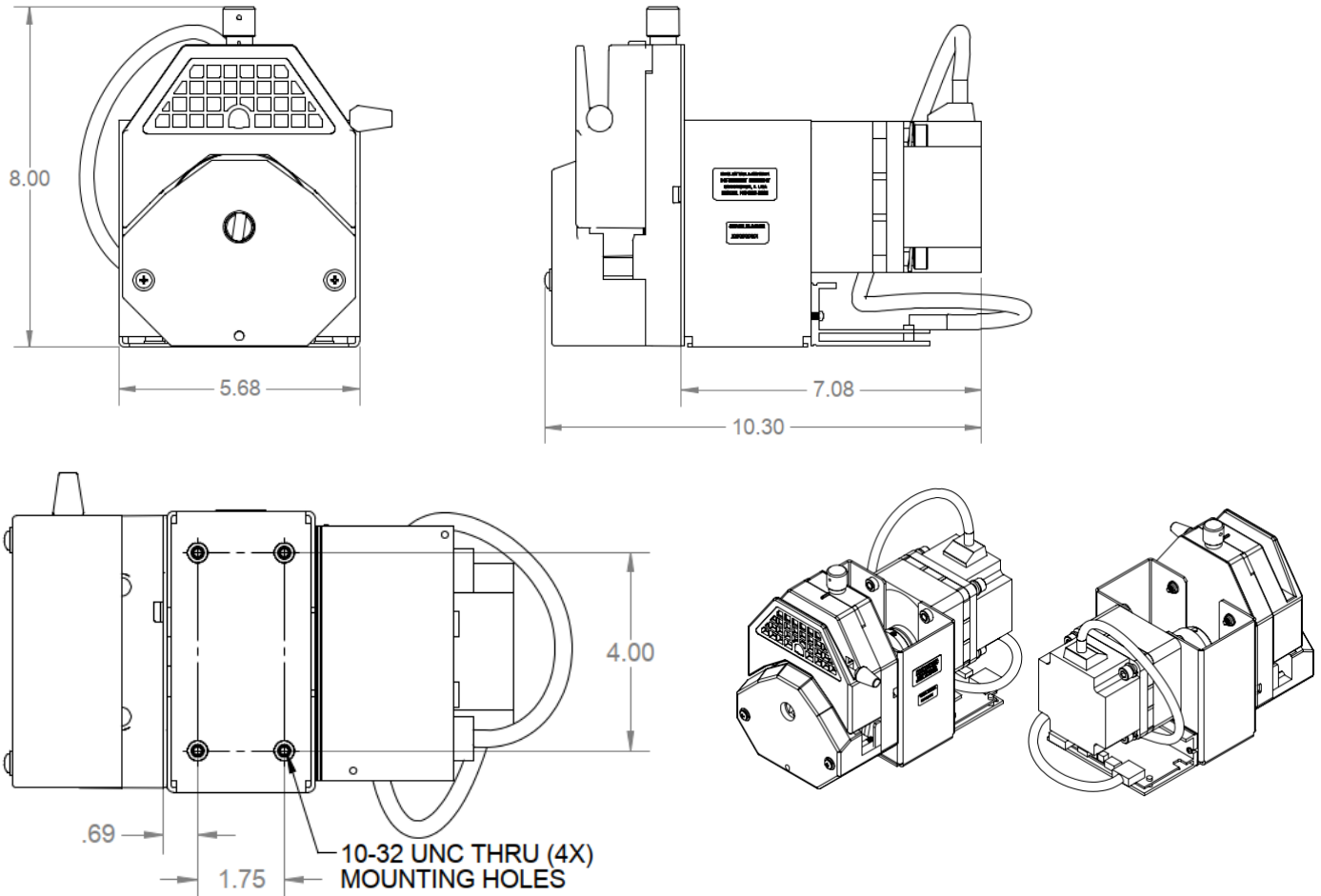
ORDERING INFORMATION

Item number	Description
MFLX61047-78	Masterflex® I/P® Easy-Load® Head with 24 VDC BLDC Motor with Controller

Masterflex® I/P® Precision Pump Tubing:

Pump tubing size	Tubing ID/ Hose barb size	Platinum-Cured Silicone	C-Flex®
I/P 26	¼" (6.4 mm)	MFLX96410-26	MFLX06424-26
I/P 73	3/8" (9.5 mm)	MFLX96410-73	MFLX06424-73
I/P 82	½" (12.7 mm)	MFLX96410-82	MFLX06424-82

DIMENSIONS/DRAWING



SPECIFICATIONS

Specification	Description
Performance specifications	
Flow capacity	0.124 to 12 L/min
Tubing	Masterflex® I/P® Precision Pump Tubing
Number of channels	1
Number of rolles	3
Maximum pressure	2.7 bar
Speed Range	20 to 600rpm
Input Control	0-5V Speed control input, direction input
Output Control	Tach Output – 150 pulses per pump revolution
Electrical specifications	
Motor type	Brushless DC Gearmotor with Controller
Power	24 VDC
Physical specifications	
Dimensions (L x W x H)	261 x 144 x 203 mm
Weight	7.2 kg (15.9 lbs.)