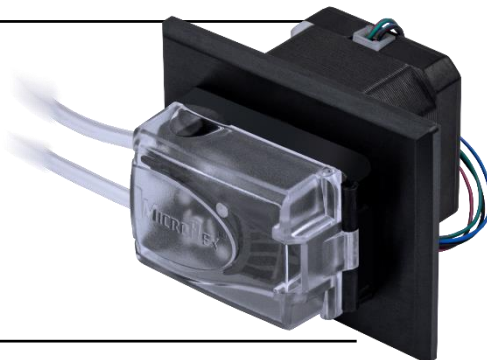


GENERAL DESCRIPTION

This pump system combines the Microflex® pump head with a compact stepper motor to provide a simple, easy-to-use peristaltic pump system.

The Microflex pump head features four rollers and a wide occlusion angle that prevents fluid backflow. Tube loading is quick and easy—open the head cover and release the occlusion bed in one motion, load the tubing, close the cover, and you are ready to pump.



MARKETS & APPLICATIONS

Designed for simple integration into original equipment manufactured systems where clean, low-shear, and high accuracy fluid dispensing is needed.

Key applications include cell therapy, microfluidics, bioreactor additions, protein purification, automatic sampling, and diagnostic equipment.

FEATURES & BENEFITS

- Compact design for efficient use of space
- Microflex® pump head accepts continuous lengths of tubing for clean flow paths
- Easy tubing changes – even in tight spaces
- Stepper Motor allows for precision repeat and rapid dispensing applications
- Four channel design prevents fluid backflow

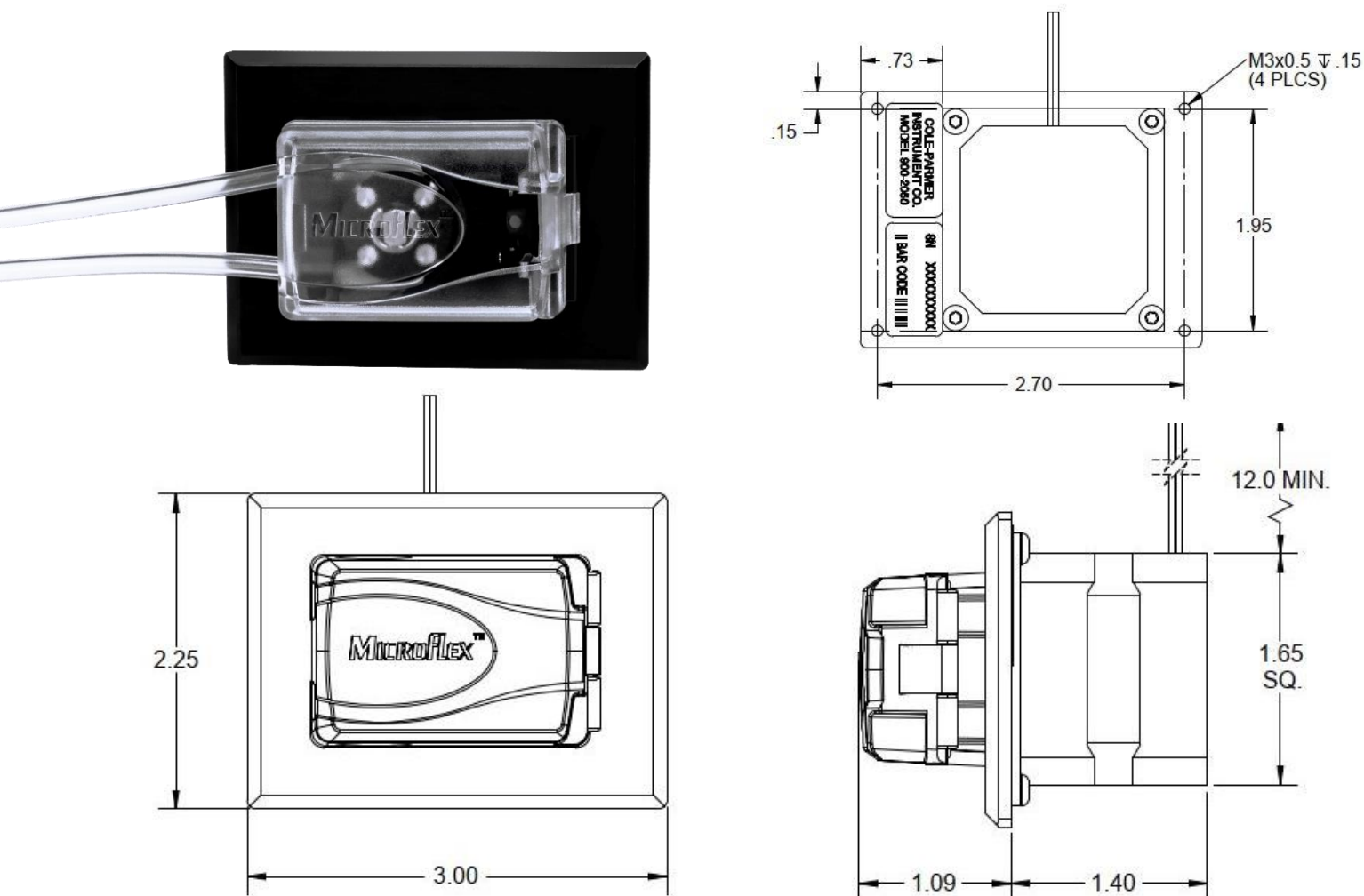
ORDERING INFORMATION

Item number	Description
MFLX77122-85	Masterflex® Microflex® panel mount pump with stepper motor for microbore tubing

Microbore Tubing:

ID mm	Nominal Flow (1 to 300 rpm) ml/min	Tygon® E-Lab	Platinum Cured Silicone	PharMed® BPT	Viton®
0.19	0.0013 to 0.42	MFLX06460-10	—	MFLX95809-10	—
0.25	0.002 to 0.73	MFLX06460-12	—	MFLX95809-12	—
0.51	0.009 to 2.9	MFLX06460-18	—	MFLX95809-18	MFLX97632-18
0.89	0.03 to 8.3	MFLX06460-26	MFLX95590-26	MFLX95809-26	MFLX97632-26
1.14	0.04 to 13.0	MFLX06460-30	MFLX95590-30	MFLX95809-30	MFLX97632-30
1.42	0.06 to 19.1	MFLX06460-34	MFLX95590-34	MFLX95809-34	MFLX97632-34
2.06	0.11 to 35.2	MFLX06460-42	MFLX95590-42	MFLX95809-42	MFLX97632-42
2.79	0.14 to 50.0	MFLX06460-48	MFLX95590-48	MFLX95809-48	MFLX97632-48

DIMENSIONS/DRAWING



SPECIFICATIONS

Specification	Description
Performance specifications	
Flow capacity	0.0013 to 50 mL/min
Tubing	Microbore 0.19, 0.25, 0.51, 0.89, 1.14, 1.42, 2.06, 2.79 mm ID
Number of channels	1
Number of rolles	4
Maximum pressure	1.0 Bar (15 psi)
Speed Range	1 to 300rpm
Electrical specifications	
Motor	1.8°/ Step Bipolar Nema 17 0.9A, 5.3Ω, 6.7 mH/ PHASE
Physical specifications	
Dimensions (L x W x H)	~63.25 x 76.20 x 57.15 mm
Weight	328 g/ 0.724 lb