

Masterflex® Miniflex® Panel Mount Pump Systems

Designed for easy integration into OEM designs, this robust, off-the-shelf panel mount pump system delivers reliable and precise flow control — even when pumping highly viscous and shear-sensitive liquids. Add it to your fluid handling system to improve efficiency and ensure lasting durability.

MARKETS & APPLICATIONS

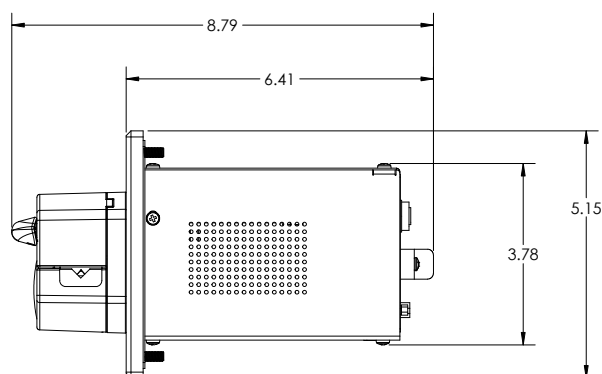
The Miniflex® Panel Mount Pump incorporates the trusted features of the Masterflex® ecosystem, including superior versatility, repeatability and user-friendly technology. It is ideally suited for applications that require aseptic conditions and highly accurate flow control and dispensing, including biopharmaceutical production, research and development, laboratory instrumentation and food and beverage dispensing. Other sensitive industrial applications like water sampling and management, chemical analysis, and the ink and printing industry also benefit from the closed-system design that easily transfers toxic and hazardous fluids.



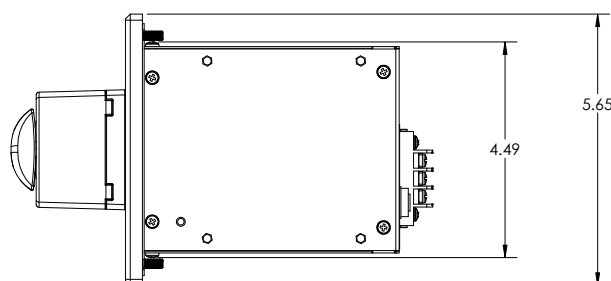
FEATURES & BENEFITS

- Precise flowrates up from 0.12 to 390 ml/min (3 to 300 rpm)
- Pump head accepts continuous lengths of tubing for clean flow paths
- Automatic tubing retention makes tube loading quick and easy
- IP65 ingress protection rating, with UL, CE and ISO9001 certifications
- High efficiency and dependable brushless DC motor in a quiet, compact design
- I/O control features include analog speed control, direction, tach output, open head sensor alarm and general alarm
- Reduced pulsation options available with four-or six-roller pump heads
- Multichannel capability with dual-channel pump head option
- More than 20 tubing formulations to support chemical and compliance requirements
- Customizable options available

DIMENSIONAL DRAWINGS (IN INCHES)



PANEL SIDE VIEW



PANEL CUTOUT

OEM Miniflex® Panel Mount Pump Systems, 24VDC	Flow Range	Model Numbers
4 to 20 mA speed input, with 3-roller Miniflex head	0.12 to 390 ml/min	MFLX77222-10
0 to 10 V speed input with 3-roller Miniflex head	0.12 to 390 ml/min	MFLX77222-12
4 to 20 mA speed input, with 4-roller Miniflex head	0.12 to 310 ml/min	MFLX77222-14

OEM Panel Mount Drives	Model Numbers
Panel mount drive only - 4 to 20 mA, 24VDC for Miniflex spline shaft heads	MFLX77222-00
Panel mount drive only - 0 to 10 V, 24VDC for Miniflex spline shaft heads	MFLX77222-02

Pump Head Only (spline shaft)	Tubing Sizes	Model
Miniflex 3-roller single-channel Miniflex pump head	L/S 13, L/S 14, L/S 16, L/S 25	MFLX77220-20
Miniflex 3-roller dual-channel Miniflex pump head	L/S 13, L/S 14, L/S 16	MFLX77220-30
Miniflex 4-roller single-channel Miniflex pump head	L/S 13, L/S 14, L/S 16, L/S 25	MFLX77220-40



RECOMMENDED TUBING FORMULATIONS:

Tubing Size	Tubing ID	Flow Range 3-Roller (4-Roller Max)	Platinum-Cured Silicone Model Number	PharMed® BPT Model Number
L/S 13	0.8 mm	0.12 to 14 ml/min (12 ml/min)	MFLX96410-13	MFLX06508-13
L/S 14	1.6 mm	0.54 to 54 ml/min (47 ml/min)	MFLX96410-14	MFLX06508-14
L/S 16	3.2 mm	1.8 to 189 ml/min (150 ml/min)	MFLX96410-16	MFLX06508-16
L/S 25	4.8 mm	3.7 to 390 ml/min (310 ml/min)	MFLX96410-25	MFLX06508-25

Need something different?

Masterflex offers fully customized fluid handling solutions. Contact us at custom@masterflex.com to personalize your pump.