



ADVANCED LIQUID HANDLING, INC.

MBP.5 Syringe Pump

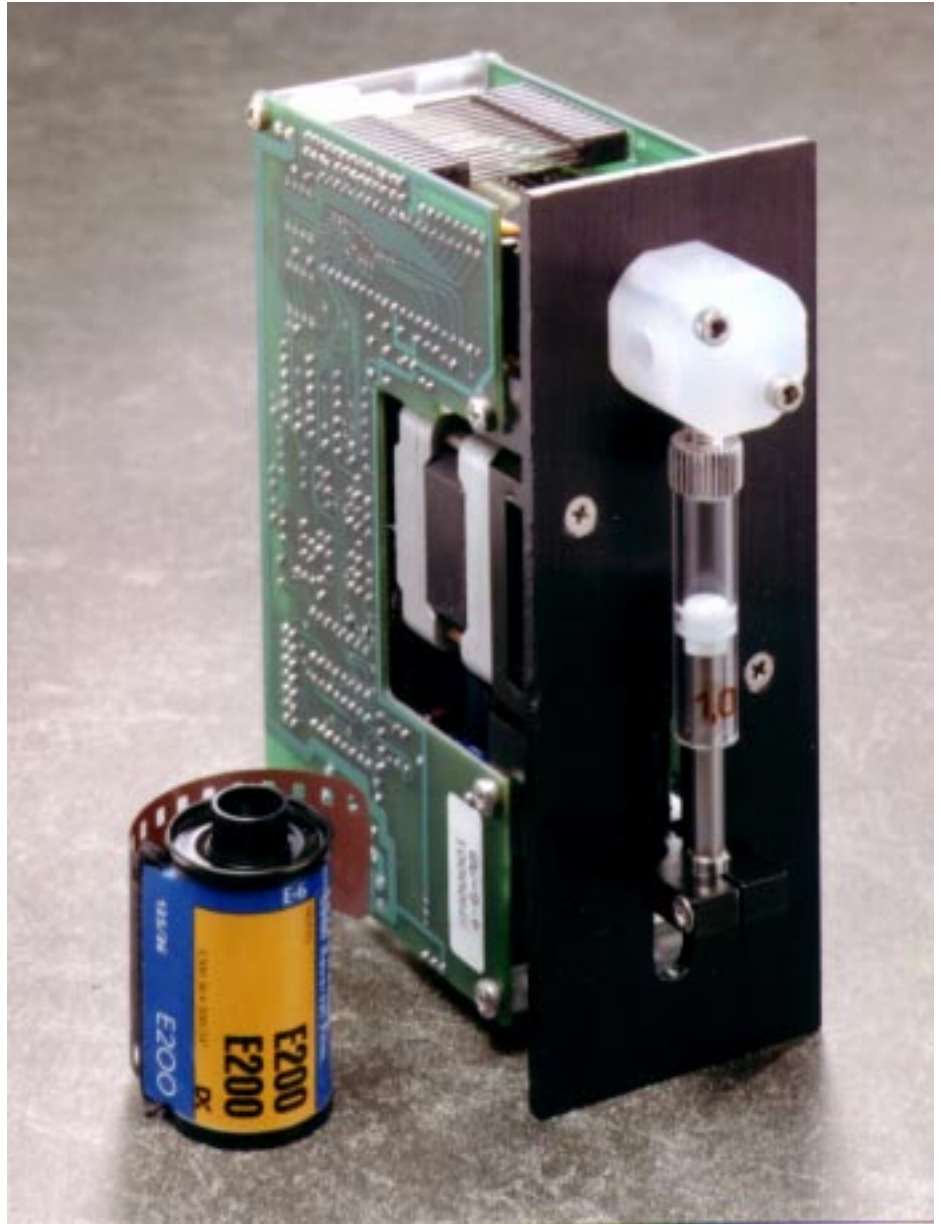
The **MBP.5** is the new petite solution for microliter fluid handling - simple, straight forward, yet advanced. The pump produces precise displacement for the aspiration and dispensing of a wide variety of fluids for many applications.

All of the **MBP** syringe pumps have a proven, patented **zero backlash** drive mechanism that provides for: less syringe wear; no backlash compensation programming; near absolute linearity; and quiet and precise operation in the microliter range for many years.

COMPATIBILITY & CONVENIENCE

This mechanism is available with industry standard electronics. An inert valve and interconnect components make it compatible with standard diagnostic fluids and reagents.

The compact **MBP.5** can be easily integrated into new product designs to provide a smaller footprint.



Fit Two in the Space of One

Specifications

Size:	As Shown: 5"(127mm)H x 1.75"(45mm)W x 3.5"(89mm)D (behind panel)	Valve:	Teflon & Kel-F 3/4 way shear (as shown)
Weight:	Approximately 21oz (600g)	Power:	Syringe Drive: 0.95 amp @ 4VDC Valve Drive: 0.20 amp @ 4.5VDC
Capacity:	Maximum syringe volume: 2.5 ml		Sensors: 5VDC optical (totem pole output)
Measured Volume:	Min: 0.001 x syringe volume Max: syringe volume	Firm ware:	Hamilton ML-OEM® or Cavro XL3000® protocol emulation
Force:	Up to 9 lbf (4 kgf)		
Speed:	Syringe: Maximum 1 second full stroke Valve: 1/4 to 1/2 second switch time	Accuracy and Precision:	Accuracy and precision are typically better than 1% and 0.01%, respectively depending on electronics, software and hydraulic connections.
Resolution:	2000 steps		
Stroke:	30mm		

Specifications subject to change without prior notice. ®Registered Trademarks are the property of their respective owners.

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