



HIBAR
SYSTEMS LIMITED

The Liquid Dispensing Specialists

MD SERIES MICRO PRECISION DISPENSING PUMPS



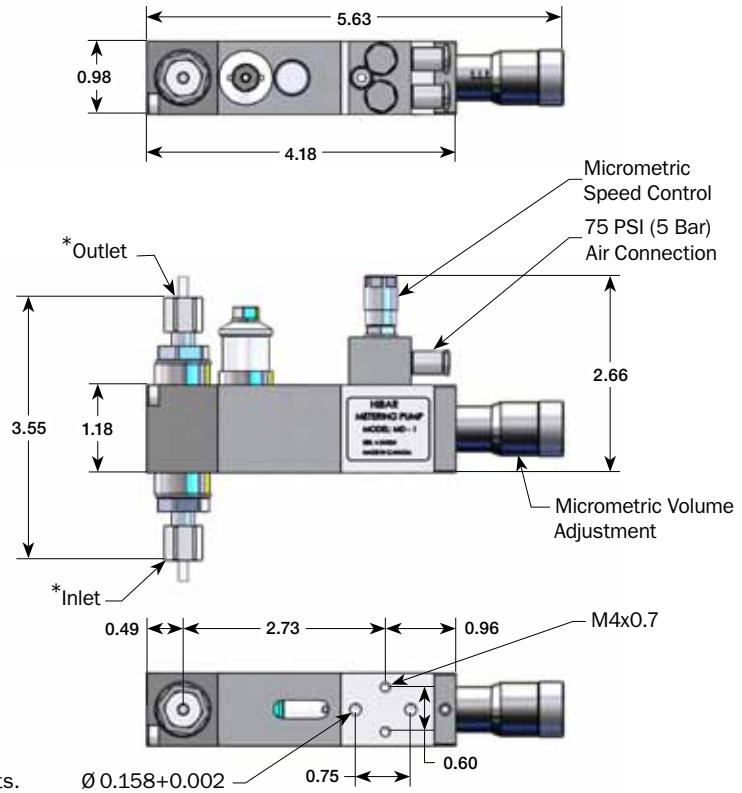
Maximum 0.452 mL
Dispense Volume

The **HIBAR MD SERIES CHECK VALVE STYLE DISPENSING PUMPS** are ideally suited for low to medium viscosity applications in technical, food, cosmetic and pharmaceutical industries. Dispensing accuracies of $\pm 1/2\%$ or better can be easily maintained.

MD SERIES MICRO PRECISION DISPENSING PUMPS FEATURES

- Integrated Check Valves.
- High accuracy dispensing of small volumes of liquids.
- Dispense viscosities up to 10,000 cps.
- Quality Stainless Steel construction.
- Wear resistant ceramic plunger.
- Compact footprint for easy mounting.
- Fine adjustment controls for suction and dispense stroke speeds.
- Built-in micrometer for simple precise dispense volume adjustments.
- Unique wet-cup seal for superior sealing with crystalizing liquids.

MICRO PRECISION DISPENSING PUMPS SPECIFICATIONS AND APPLICATIONS



* Tube style inlet and outlet shown.
Other styles available.
Consult Hibar for different product connection requirements.

Model	Plunger Diameter		Stroke		Maximum Dispensing Volume (μm)	Cycle Speed (cpm)	Weight	
	inch	(mm)	inch	(mm)			lbs	(kg)
MD-1	0.079	(2.0)	1/4	(6.35)	20	0-500 ^A	1.5	(0.68)
MD-2	1/8	(3.2)			50			
MD-3	3/16	(4.8)			113			
MD-4	1/4	(6.4)			201			
MD-5	5/16	(7.9)			314			
MD-6	3/8	(9.5)			452			

^A Maximum cycle rate is application dependent

APPLICATIONS

General		Cosmetics		Food		Pharmaceutical	
• Acids	• Glues/Adhesives	• Perfume	• Mouthwash	• Ketchup	• Cream	• Medicine	
• Alkalines	• Battery Electrolyte	• Creams	• Nail Lacquer	• Vinegar	• Jelly	• Culture Media	
• Reagents	• Lighter Fluids	• Lotions	• Moisturizer	• Honey	• Sauces	• Biologicals	
• Inks	• Oils	• Shampoos	• Skin Cleanser	• Butter	• Juices	• Antibiotics	
• Paints	• Solvents	• Oils	• Make-up Remover	• Coffee	• Puddings	• Cough Syrup	