

## 4H Series Check Valve Dispensing Pumps

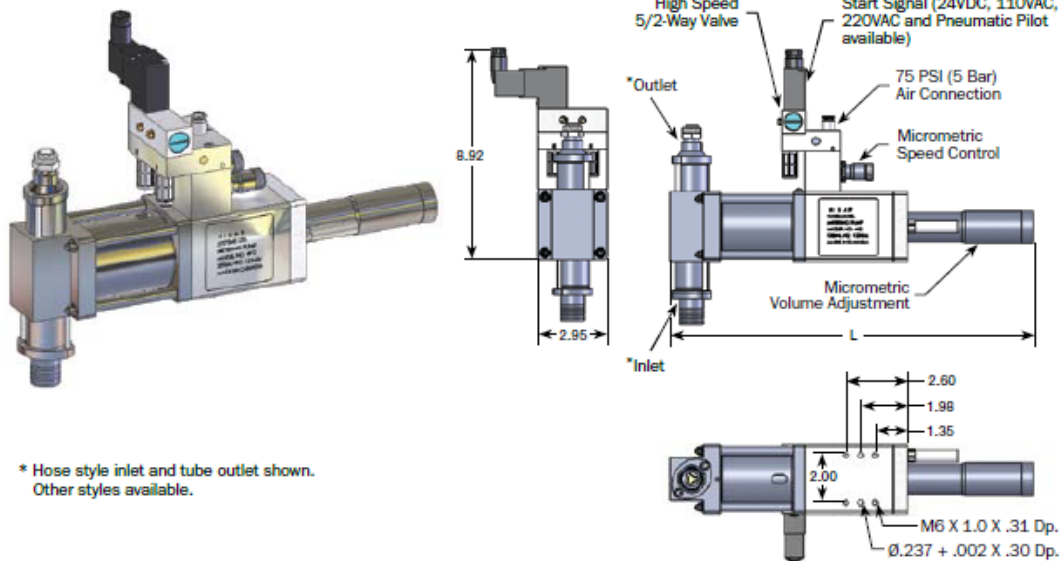
The 4H Series Check Valve style Dispensing Pumps are ideally suited for low to medium viscosity applications in food, cosmetic, technical and pharmaceutical industries. Dispensing accuracies of  $\pm 1/2\%$  or better can be easily maintained without readjustment or recalibration.



### 4H Series Precision Check Valve Pump Features:

- \* *High-quality Stainless-Steel construction.*
- \* *Integrated check valves handle fluids with viscosities up to 20,000 cps. and containing no solids.*
- \* *Easy to disassemble, clean and maintain.*
- \* *Dispensing accuracies of up to  $\pm 1/2\%$  or better.*
- \* *Precise dispense volume and speed control via adjustment of the built-in micrometers.*
- \* *Modular design makes it easy to integrate with automated filling equipment.*
- \* *Completely self-contained pneumatics provide easy integration with virtually any automated filling equipment.*
- \* *Compact footprint for easy mounting.*
- \* *Long service life lasting for millions of cycles.*
- \* *Wide range of fill nozzles & accessories are available to suit specific applications.*
- \* *Servo motor driven models are also available. Consult us for details.*

# 4H Series Check Valve Dispensing Pumps



Model	Plunger Diameter		Stroke	Maximum Dispensing Volume (cc)	Cycle Speed (cpm)	Air Consumption scfm (l/min)	L		weight lbs (kg)
	inch	(mm)					inch (mm)	inch (mm)	
4H1-C-10	7/8	(22.23)	1.00 (25.4)	9.9	0-180 <sup>A</sup>	1.82 (51.5) <sup>B</sup>	12.47 (317.0)		13.75 (6.2)
4H1-C-30	1-5/8	(41.28)		34.0			11.47 (91.0)		
4H1-C-60	2-1/8	(53.98)		58.0					
4H2-C-20	7/8	(22.23)	2.00 (50.8)	20.0	0-150 <sup>A</sup>	3.02 (85.5) <sup>B</sup>	17.44 (443.0)		15.25 (6.9)
4H2-C-65	1-5/8	(41.28)		68.0			15.44 (392.0)		
4H2-C-110	2-1/8	(53.98)		116.0					
4H3-C-30	7/8	(22.23)	3.00 (76.2)	30.0	0-120 <sup>A</sup>	3.63 (102.8) <sup>B</sup>	22.44 (570.0)		16.75 (7.6)
4H3-C-100	1-5/8	(41.28)		102.0			19.44 (494.0)		
4H3-C-170	2-1/8	(53.98)		174.0					
4H4.5-C-150	1-5/8	(41.28)	4.50 (114.3)	153.0	0-90 <sup>A</sup>	4.08 (115.5) <sup>B</sup>	21.24 (539.5)		19.0 (8.6)
4H4.5-C-260	2-1/8	(53.98)		261.0					

<sup>A</sup> Maximum cycle rate is application dependent

<sup>B</sup> Calculated at full stroke at 100cpm, 75 PSI (5 Bar)

## Applications

Cosmetics	Food	Pharmaceutical	General
<ul style="list-style-type: none"> <li>* Perfume</li> <li>* Creams</li> <li>* Lotions</li> <li>* Shampoos</li> <li>* Oils</li> <li>* Mouthwash</li> <li>* Nail Lacquer</li> <li>* Moisturizer</li> <li>* Skin Cleanser</li> <li>* Make-up Remover</li> </ul>	<ul style="list-style-type: none"> <li>* Ketchup</li> <li>* Vinegar</li> <li>* Honey</li> <li>* Butter</li> <li>* Coffee</li> <li>* Cream</li> <li>* Jelly</li> <li>* Sauces</li> <li>* Juices</li> <li>* Puddings</li> </ul>	<ul style="list-style-type: none"> <li>* Medicine</li> <li>* Culture Media</li> <li>* Biologicals</li> <li>* Antibiotics</li> <li>* Cough Syrup</li> </ul>	<ul style="list-style-type: none"> <li>* Acids</li> <li>* Alkalines</li> <li>* Reagents</li> <li>* Inks</li> <li>* Paints</li> <li>* Glues / Adhesives</li> <li>* Battery Electrolyte</li> <li>* Lighter Fluids</li> <li>* Oils</li> <li>* Solvents</li> </ul>