



**HIBAR**  
SYSTEMS LIMITED

*The Liquid Dispensing Specialists*

## 5H SERIES PRECISION CHECK VALVE DISPENSING PUMPS



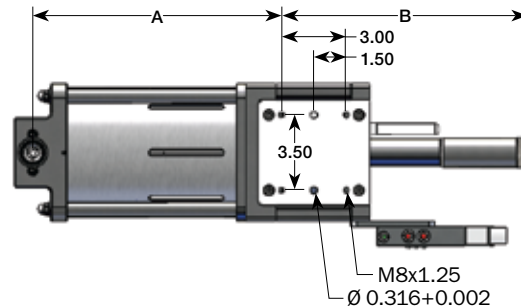
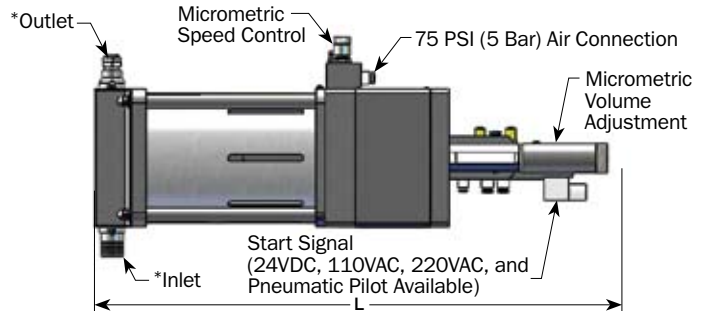
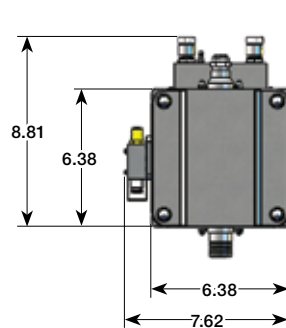
Maximum 2.0 L  
Dispense Volume

The **HIBAR 5H 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.

### 5H SERIES PRECISION CHECK VALVE DISPENSING PUMPS FEATURES

- High quality Stainless Steel construction.
- Integrated check valves handle fluids with viscosities up to 15,000 cps. and containing no solids.
- Easy to disassemble, clean and maintain.
- Compact footprint for easy mounting.
- Dispensing accuracies of up to  $\pm 1/2\%$  or better.
- Precise dispense volume and speed control via adjustment of the built-in micrometers.
- Easy integration with virtually any automated filling equipment.
- Low maintenance and long service life.
- Wide range of fill nozzles and accessories are available to suit specific applications.

### PRECISION CV DISPENSING PUMPS SPECIFICATIONS AND APPLICATIONS



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

Model	Plunger Diameter		Stroke		Maximum Dispensing Volume (cc)	Cycle Speed (cpm)	Air Consumption scfm (l/min)	External Dimensions inch (mm)			Weight	
	inch	(mm)	inch	(mm)				A	B	L	lbs	(kg)
5H3-C-100	1-5/8	(41.28)	3.00	(76.2)	102	0-30 <sup>C</sup>	11.5 (325) <sup>A</sup>	11.54 (293.1)	11.42 (290.1)	23.77 (603.7)	60	(27.21)
5H3-C-250	2-3/4	(69.85)			292							
5H3-C-500	3-3/4	(95.25)			543							
5H3-C-1000	5-1/8	(130.18)			1014							
5H6-C-2000	5-1/8	(130.18)	6.00	(152.4)	2028	0-12 <sup>C</sup>	9.5 (269) <sup>B</sup>	13.04 (331.2)	12.95 (328.9)	26.79 (680.4)	64	(29.03)

<sup>A</sup> Calculated at full stroke at 30 cpm, 75 psi

<sup>B</sup> Calculated at full stroke at 12 cpm, 75 psi

<sup>C</sup> Maximum cycle rate is application dependant

#### APPLICATIONS

Pharmaceutical	Cosmetics		Food	General	
<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>Perfume</li> <li>Creams</li> <li>Lotions</li> <li>Shampoos</li> <li>Oils</li> </ul>	<ul style="list-style-type: none"> <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> </ul>	<ul style="list-style-type: none"> <li>Cream</li> <li>Jelly</li> <li>Sauces</li> <li>Juices</li> <li>Puddings</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>