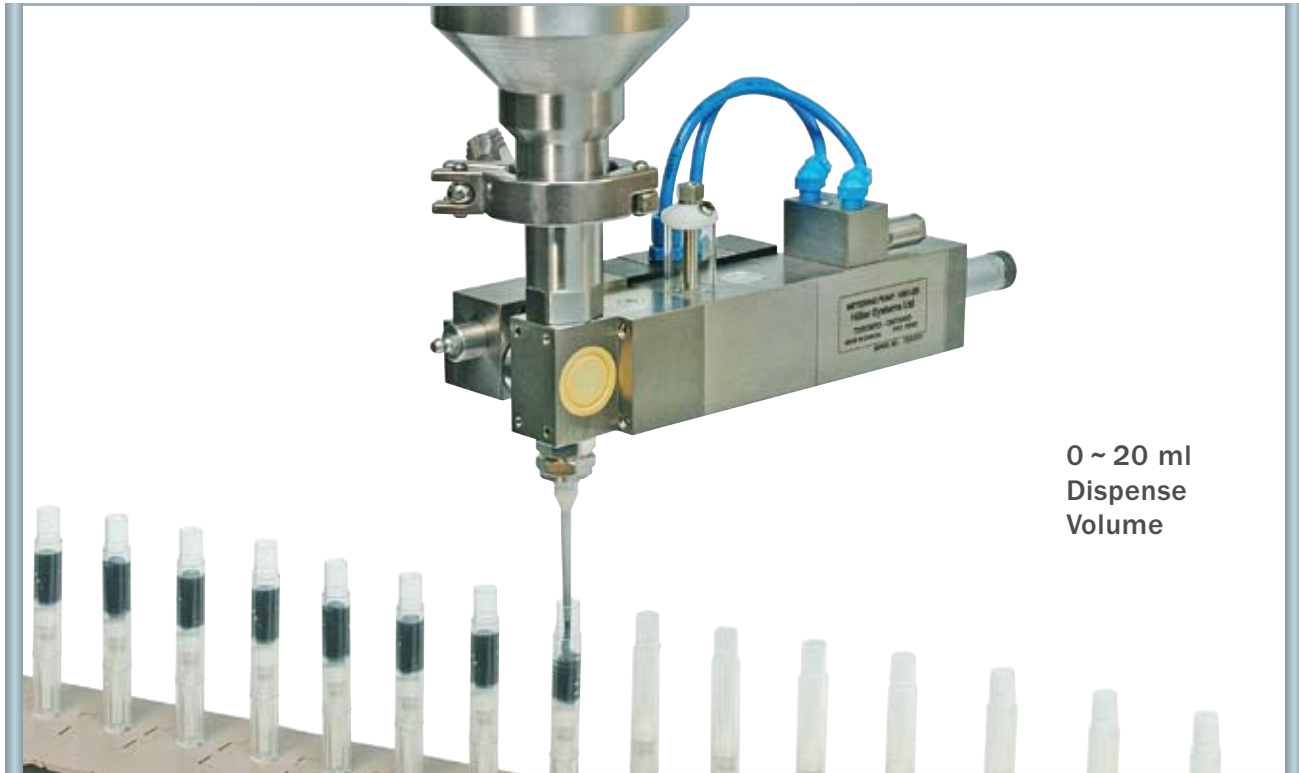




**HIBAR**  
SYSTEMS LIMITED

*The Liquid Dispensing Specialists*

## **B SERIES** **PRECISION** **ROTARY VALVE** **DISPENSING PUMPS**

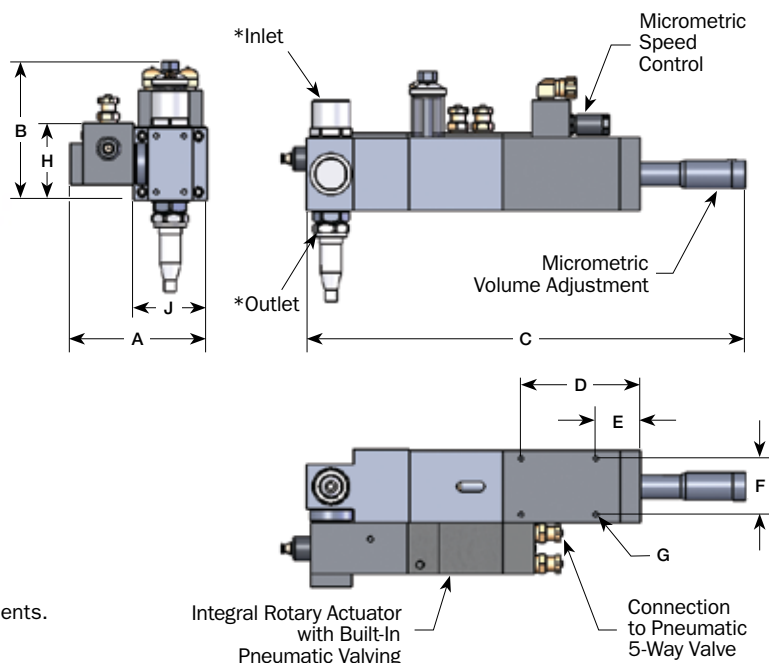
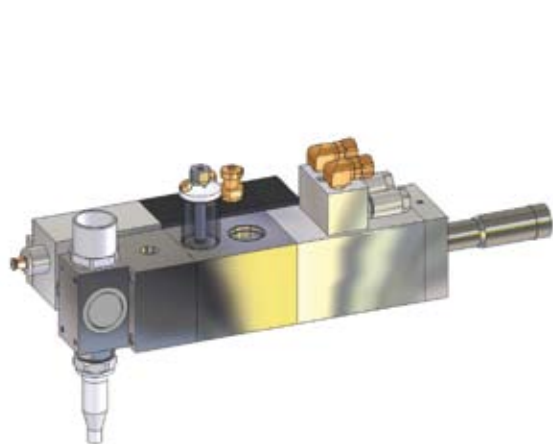


The **HIBAR B SERIES ROTARY VALVE** style Precision Dispensing Pumps have been servicing the cosmetic, food, pharmaceutical and technical industries for over 30 years. These pumps are ideally suited for medium to high viscosity applications (>5000 cps) that require dispensing of .050 to 20 ml per shot.

### **B SERIES PRECISION ROTARY VALVE DISPENSING PUMPS FEATURES**

- A number of different pump construction materials are available to insure product compatibility.
- Pneumatic Piston Pump provides extremely high dispensing accuracies, typically  $\pm 1/2\%$  or better.
- Precise dispense volume and speed control via adjustment of the built-in micrometers and precision needle valves.
- Wear resistant ceramic rotary valve handles high viscosity fluids with particulates up to 100,000 cps.
- Higher viscosities achievable with pressurized infeed. Consult Hibar for details.
- Flexible design that can adapt to changing dispensing needs for new applications.
- Easy to disassemble, clean and maintain.
- Wide range of fill nozzles and accessories are available to suit specific applications.
- Servo motor driven models are also available. Consult Hibar for details.

### PRECISION RV DISPENSING PUMPS SPECIFICATIONS AND APPLICATIONS



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

Model	Plunger Diameter		Stroke inch (mm)	Maximum Dispensing Volume (cc)	Cycle Speed (cpm)	Air Consumption scfm (l/min)	External Dimensions inch (mm)								Weight lbs (kg)
	inch	mm					A	B	C	D	E	F	G	H	
1BR-3M	3/16	(4.8)	1/2 (12.7)	0.230	0-150 <sup>A</sup>	0.5 (14.1) <sup>B</sup>	3.39 (86)	3.45 (88)	8.9 (226)	2.52 (64)	0.89 (23)	1.25 (32)	8-32 (49)	1.70 (43)	7.0 (3.2)
1BR-4M	1/4	(6.4)		0.400											
1BR-5M	5/16	(7.9)		0.630											
1BR-7M	7/16	(11.1)		1.230											
1BR-10M	5/8	(15.9)		2.510											
2BR-8R	1/2	(12.7)	1 (25.4)	3.22	0-120 <sup>A</sup>	1.3 (36.8) <sup>B</sup>	3.66 (93)	3.71 (94)	11.78 (299)	3.2 (81)	1.2 (30)	1.5 (38)	8-32 (52)	1.96 (50)	9.0 (4.1)
2BR-10R	5/8	(15.9)		5.03											
2BR-12	3/4	(19.1)		7.24											
2BR-14	7/8	(22.2)		9.85											
2BR-17	1-1/8	(27.0)		14.52											
2BR-20	1-1/4	(31.8)		20.11											

<sup>A</sup> Maximum cycle rate is application dependant    <sup>B</sup> Calculated at full stroke at 100 cpm, 75 PSI (5Bar)

#### APPLICATIONS

General	Cosmetics	Food	Pharmaceutical
<ul style="list-style-type: none"> <li>• Toothpaste</li> <li>• Caulking</li> <li>• Glues/Adhesives</li> <li>• Grease/Oils</li> <li>• Zinc Gel</li> </ul>	<ul style="list-style-type: none"> <li>• Abrasive Kitchen/Bathroom Cleaner</li> <li>• Paints/Inks</li> <li>• Tooth Whitener</li> <li>• Fluxes</li> </ul>	<ul style="list-style-type: none"> <li>• Mascara</li> <li>• Exfoliant</li> <li>• Lipstick</li> <li>• Creams</li> <li>• Lotions</li> </ul>	<ul style="list-style-type: none"> <li>• Shampoos</li> <li>• Antiperspirant</li> <li>• Lip Gloss</li> <li>• Nail Lacquer</li> <li>• Foundation</li> </ul>
		<ul style="list-style-type: none"> <li>• Salad Dressing</li> <li>• Popcorn Oil</li> <li>• Ketchup/Mustard</li> <li>• Marmalade</li> <li>• Sauces</li> </ul>	<ul style="list-style-type: none"> <li>• Juices</li> <li>• Honey</li> <li>• Butter</li> <li>• Margarine</li> <li>• Relish</li> </ul>
			<ul style="list-style-type: none"> <li>• Medicine</li> <li>• Cough Syrup</li> <li>• Antibiotic</li> <li>• Blood Serum</li> <li>• Biological</li> </ul>