



## Rotary Valve Dispensing Pump

<b>Dispense Volume</b> 0-40ml
<b>Viscosity</b> Medium to High (>20,000 cps) With or Without Particles
<b>Applications</b>
Used in the Food, Battery, Technical, Pharmaceutical, Cosmetic and Chemical industries.



B SERIES

### Details

#### Pneumatic Drive

"Wet Cup" Seal



High Accuracy  
+/- 0.5% or Better

#### Precision Servo Drive

"Wet Cup" Seal



316L Stainless Steel Construction

Other Materials of Construction Available

- High Speed Rotary Actuator
- Precision Ceramic Rotary Valve
- Configurable Inlet & Outlet Fitting

Model		Plunger Diameter		Stroke	Maximum Dispensing Volume (cc)	Cycle Speed (cpm)	Air Consumption on scfm (l/min)	Weight lbs (kg) <sup>C</sup>
Pneumatic	Servo	Inch	mm	Inch (mm)				
1BR-3M	1SR-3M	3/16	4.8	1/2 (12.7)	0.230	0-150 <sup>A</sup>	0.94 (25.7) <sup>B</sup>	7.0 (3.2)
1BR-4M	1SR-4M	1/4	6.4		0.400			
1BR-5M	1SR-5M	5/16	7.9		0.620			
1BR-7M	1SR-7M	7/16	11.1		1.220			
1BR-10M	1SR-10M	5/8	15.9		2.510			
2BR-8R	2SR-8R	1/2	12.7	1 (25.4)	3.220	0-120 <sup>A</sup>	1.89(53.5) <sup>B</sup>	9.7 (4.4)
2BR-10R	2SR-10R	5/8	15.9		5.030			
2BR-12	2SR-12	3/4	19.1		7.240			
2BR-14	2SR-14	7/8	22.2		9.850			
2BR-17	2SR-17	1-1/16	27.0		14.520			
2BR-20	2SR-20				20.110			
2BR-30	2SR-30	1-1/4	31.8	1.5 (38.1)	30.00	0-100 <sup>A</sup>	2.66(75.3) <sup>B</sup>	10.3 (4.7)
2BR-40	2SR-40			2.0 (50.8)	40.00		3.43(97.1) <sup>B</sup>	

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



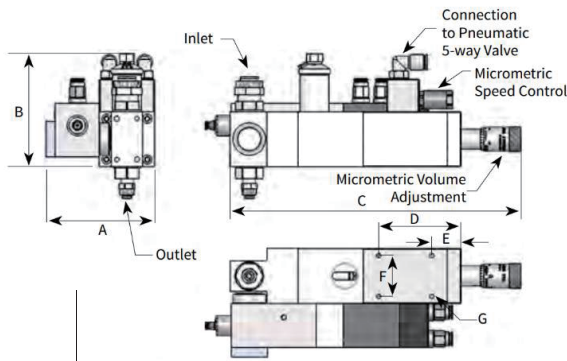
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B SERIES

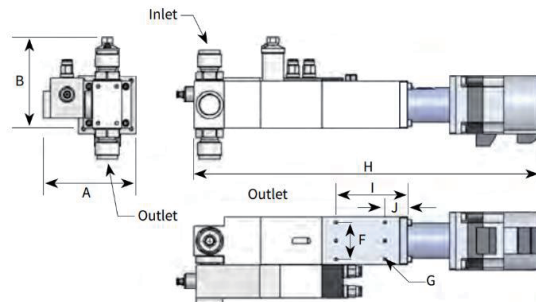
Fittings		
Type	Size	
	Inlet	Outlet
Sanitary	1/2 - 3/4	1/2 - 3/4
Swage	1/8 - 1/2	1/8 - 3/8
Tube	1/8 - 1/2	1/8 - 3/8
Hose	1/2 - 3/4	1/2 - 5/8

O-rings & U-cups	
O-rings	U-cup Seals
Viton	Teflon
EP	UHMW
Silicon	
Perfluor (Kalrez®)	

### Pneumatic Drive



### Servo Drive



Model		External Dimensions Inch (mm)											
Pneumatic	Servo	A	B	C	D	E	F	G	H	I	J		
1BR-3M	1SR-3M	3.34 (84.8)	3.45 (87.6)	8.90 (226)	2.52 (64)	0.89 (22.6)	1.25 (32)	8-32 UNC	Servo Drive Specific	Coupler Specific	Coupler Specific		
1BR-4M	1SR-4M												
1BR-5M	1SR-5M												
1BR-7M	1SR-7M												
1BR-10M	1SR-10M												
2BR-8R	2SR-8R	3.60 (91.4)	3.71 (94)	11.78 (299.2)	3.2 (81)	1.2 (30)	1.5 (38)	8-32 UNC	Contact Your HIFE Rep.	Contact Your HIFE Rep.	Contact Your HIFE Rep.		
2BR-10R	2SR-10R												
2BR-12	2SR-12												
2BR-14	2SR-14			15.92 (404.4)	3.7 (94.0)	1.2 (30.5)							
2BR-17	2SR-17												
2BR-20	2SR-20			17.42 (442.5)		3.7 (94.0)	4.2 (106.7)	1.7 (43.2)					
2BR-30	2SR-30												
2BR-40	2SR-40												

**CELEBRATING**

**50**

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