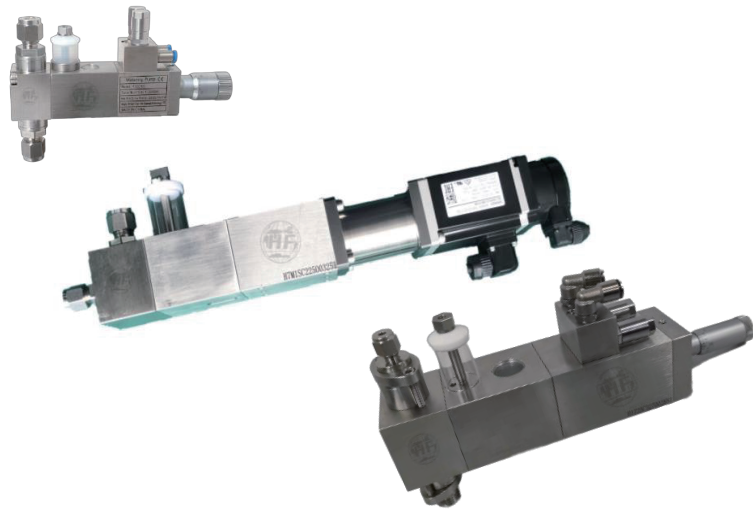




Check Valve Dispensing Pump

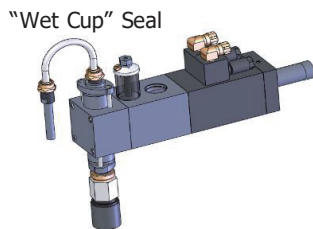
Dispense Volume 0-40ml
Viscosity Low to Medium (<20,000 cps) No Particles
Applications Used in the Food, Battery, Technical, Pharmaceutical, Cosmetic and Chemical industries.



B SERIES

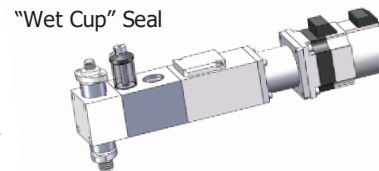
Details

Pneumatic Drive



Configurable Inlet & Outlet Fittings

Precision Servo Drive



High Accuracy
+/- 0.5% or Better

316L Stainless Steel Construction
Other Materials of Construction available

Model		Plunger Diameter		Stroke	Maximum Dispensing Volume (cc)	Cycle Speed (cpm) ^C	Air Consumption scfm (l/min) ^C	Weight lbs (kg) ^C
Pneumatic	Servo	Inch	mm	Inch (mm)				
1BC-1S	1SC-1S	0.079	2.0	1/4 (6.4)	0.020	0-300 ^A	0.27 (7.65) ^B	5.0 (2.3)
1BC-2S	1SC-2S	1/8	3.2		0.050			
1BC-3S	1SC-3S	3/16	4.8		0.110			
1BC-3M	1SC-3M	3/16	4.8	1/2 (12.7)	0.230	0-150 ^A	0.55 (15.57) ^B	7.9 (3.6)
1BC-4M	1SC-4M	1/4	6.4		0.400			
1BC-5M	1SC-5M	5/16	7.9		0.620			
1BC-7M	1SC-7M	7/16	11.1		1.220			
1BC-10M	1SC-10M	5/8	15.9	1.0 (25.4)	2.510	0-125 ^A	1.53 (43.23) ^B	10.3 (4.7)
2BC-8R	2SC-8R	1/2	12.7		3.220			
2BC-10R	2SC-10R	5/8	15.9		5.030			
2BC-12	2SC-12	3/4	19.1		7.240			
2BC-14	2SC-14	7/8	22.2		9.850			
2BC-17	2SC-17	1-1/16	27.0		14.520			
2BC-20	2SC-20	1-1/4	31.8		20.110			
2BC-30	2SC-30			1.5 (38.1)	30.00	0-100 ^A	2.3 (65.1) ^B	
2BC-40	2SC-40			2.0 (50.8)	40.00	0-100 ^A	3.07 (86.9) ^B	

^AMaximum cycle rate is application dependant ^BCalculated at full stroke at 100cpm, 75 PSI (5 Bar) Pneumatic Drive Only



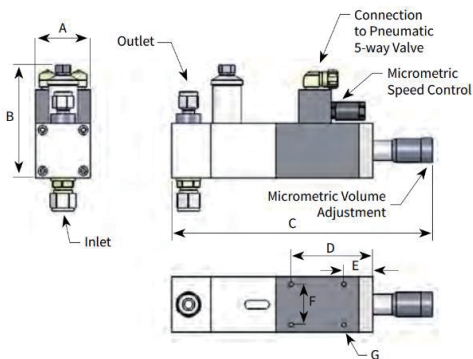
Check Valve Dispensing Pump

Units: Inches unless specified

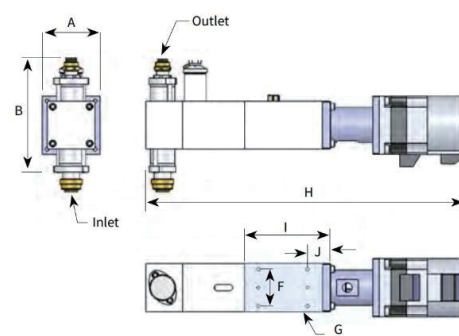
Type	Fittings	
	Size	
	Inlet	Outlet
Sanitary	1/2 - 3/4	1/2 - 3/4
Swage	1/8 - 1/2	1/8 - 3/8
Tube	1/8 - 1/2	1/8 - 3/8
Hose	1/2 - 3/4	1/2 - 5/8

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
1BC-1S	1SC-1S	1.68 (43)	3.45 (88)	7.77 (198)	2.52 (64)	0.89 (22)	1.25 (32)	8-32 UNC	Servo Drive Specific	Coupler Specific	Coupler Specific
1BC-2S	1SC-2S										
1BC-3S	1SC-3S										
1BC-3M	1SC-3M										
1BC-4M	1SC-4M										
1BC-5M	1SC-5M										
1BC-7M	1SC-7M										
1BC-10M	1SC-10M										
2BC-8R	2SC-8R	1.94 (49)	3.71 (94)	10.53 (267)	3.2 (81)	1.2 (30)	1.5 (38)	8-32 UNC	Contact Your HIFE Rep.	Contact Your HIFE Rep.	Contact Your HIFE Rep.
2BC-10R	2SC-10R										
2BC-12	2SC-12										
2BC-14	2SC-14										
2BC-17	2SC-17										
2BC-20	2SC-20										
2BC-30	2SC-30										
2BC-40	2SC-40										

B SERIES

CELEBRATING

50

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THINKERS AND PRODUCTS**



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