

Rotary Valve Dispensing Pump

SV-R Series



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



Details

Pneumatic Drive

"Wet Cup" Seal



Servo Drive

Other Materials of Construction Available

316L Stainless Steel Construction

"Wet Cup" Seal

High Accuracy
+/- 0.5% or Better



Heated Pump options available

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

SV - Small Volume RV Pump Models			Maximum Dispensing	Piston Stroke		Piston Diameter		Cycle Speed	Air Consumption	Weight
	Pneumatic	Electric	Volume (cc)	mm	inch	mm	inch	(cpm) ^A	scfm (l/min) ^B	lbs (kg) ^C
SV0.2R	P	E	0.23	12.70	0.5	4.80	0.19	0-150	0.95 (26)	7 (3.2)
SV0.4R			0.40			6.35	0.25			
SV0.6R			0.62			7.90	0.31			
SV1R			1.22			11.10	0.44			
SV2.5R			2.50			15.90	0.63			
SV3R			3.22	25.40	1	12.70	0.5	0-120	1.9 (54)	9.7 (4.4)
SV5R			5.00			15.90	0.63			
SV7R			7.24			19.10	0.75			
SV10R			9.85			22.20	0.88			
SV14R			14.50			27.00	1.06			
SV20R			20.10			38.10	1.25	0-100	2.7 (75)	10.3 (4.7)
SV30R			30.00	38.10	1.5					
SV40R			40.00	50.80	2				3.5 (97)	

^A Depending on the application and dispensing volume, the maximum cycle rate will vary

^B Calculated at full stroke at 100cpm, 75 PSI (5 Bar) ^C Pneumatic drive only

SMALL VOLUME DISPENSING



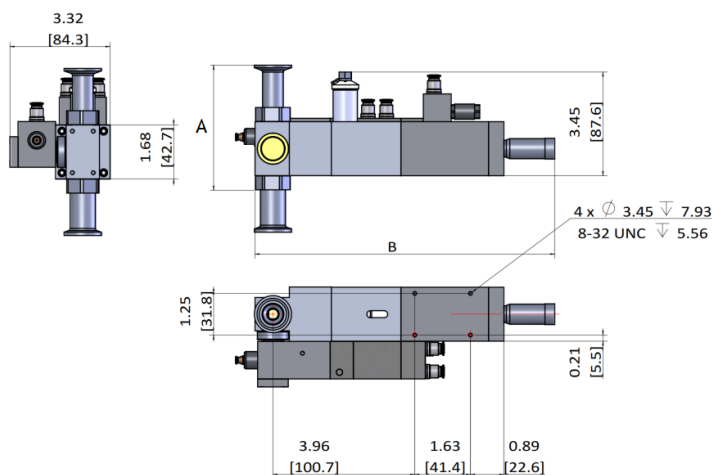
SMALL VOLUME DISPENSING

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"

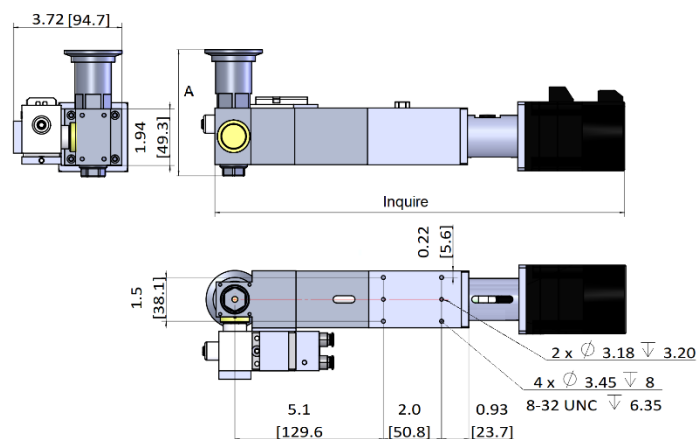
O-rings & U-cups	
O-rings	U-cup Seals
Viton	Teflon
EP	UHMW
Silicon	
Perfluor (Kalrez ®)	

Special sizes or metric available upon request

Pneumatic Drive



Servo Drive



SV - Small Volume RV Pump Models			Maximum Dispensing	External Dimensions Inches (mm)		
	Pneumatic	Electric	Volume (cc)	A	B	Electric
SV0.2R	P	E	0.23	3.45 (88)	8.9 (226)	Servo Drive Specific Contact your Hife Rep.
SV0.4R			0.40			
SV0.6R			0.62			
SV1R			1.22			
SV2.5R			2.50			
SV3R			3.22	3.71 (94)	11.8 (299)	
SV5R			5.00			
SV7R			7.24			
SV10R			9.85			
SV14R			14.50			
SV20R			20.10			
SV30R			30.00		15.9 [405]	
SV40R			40.00		17.4 (43)	



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