

# Check Valve Dispensing Pump

## MV-C Series

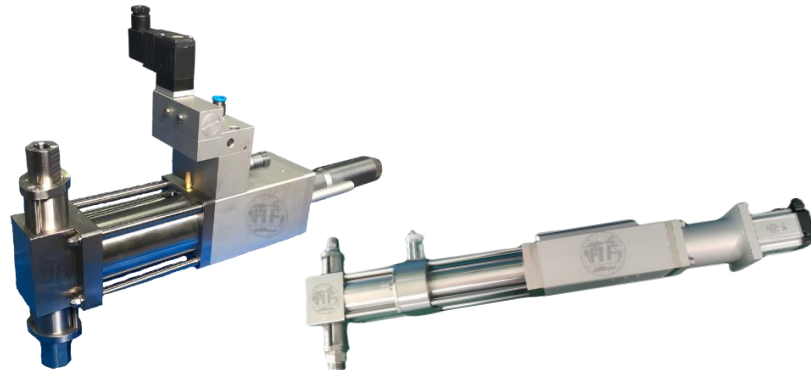


**Dispense Volume**  
0-260ml

**Viscosity**  
Low to Medium (<20,000 cps)  
**No Particles**

### Applications

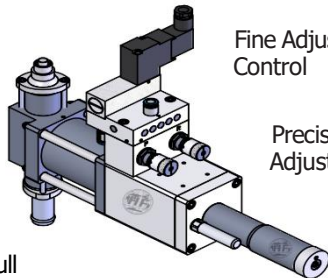
For the Cosmetics, Technical and Chemical Industries but also can be used in the Food and Pharmaceutical Industries.



## Details

### Pneumatic Drive

Electric or  
Pneumatic Start  
Signal



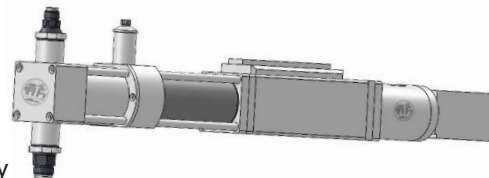
Fine Adjustment Speed  
Control

Precision Volumetric  
Adjustment

Internal Full  
Stroke Sensor

### Servo Drive

Programmable Servo Speed Profiling



High Accuracy  
+/- 0.5% or Better

Precision Servo Drive and Motor

316 SS Construction - Other Materials of Construction Available

MV- Medium Volume CV Pump Models			Maximum Dispensing	Piston Stroke		Piston Diameter		Cycle Speed	Air Consumption	Weight	
	Pneumatic	Electric	Volume (cc)	mm	inch	mm	inch	(cpm) <sup>A</sup>	scfm (l/min) <sup>B</sup>	lbs (kg) <sup>C</sup>	
MV5C	P	E	5	25.4	1	15.9	0.63	0-180	1.8 (51)	12 (5.5)	
MV10C			10			22.2	0.88				
				50.8	2	15.9	0.63	0-150	3.1 (88)	15 (6.8)	
MV15C				15	76.2	3	15.9	0.63	0-120	3.6 (102)	17 (7.7)
MV20C				20	50.8	2	22.2	0.88	0-150	3.1 (88)	15 (6.8)
MV30C				30	76.2	3	22.2	0.88	0-180	1.8 (51)	12 (5.5)
MV33C				33	25.4	1	41.3	1.63	0-150	3.1 (88)	15 (6.8)
					50.8	2	31.8	1.25	0-120	3.6 (102)	17 (7.7)
MV60C				60	25.4	1	54.0	2.13	0-180	1.8 (51)	12 (5.5)
					50.8	2	41.3	1.63	0-150	3.1 (88)	15 (6.8)
MV67C				67	50.8	2	41.3	1.63	0-120	3.6 (102)	17 (7.7)
MV100C				100	76.2	3	41.3	1.63	0-120	3.6 (102)	17 (7.7)
MV116C				116	50.8	2	54.0	2.13	0-150	3.1 (88)	15 (6.8)
MV150C				150	114.3	4.5	41.3	1.63	0-100	4.1 (116)	19 (8.6)
MV175C				174	76.2	3	54.0	2.13			17 (7.7)
MV260C		260	114.3	4.5	19 (8.6)						

<sup>A</sup>Depending on the application and dispensing volume, the maximum cycle rate will vary

<sup>B</sup>Calculated at full stroke at 100cpm, 75 PSI (5 Bar) <sup>C</sup> Pneumatic Drive Only

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MEDIUM DISPENSING VOLUME

# Check Valve Dispensing Pump

## MV-C Series



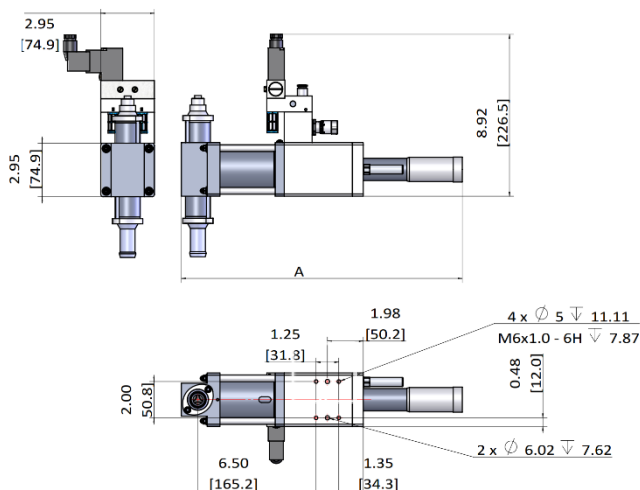
# MEDIUM DISPENSING VOLUME

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"

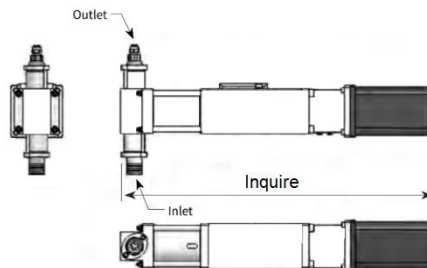
Special sizes and metric available upon request

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

### Pneumatic Drive



### Servo Drive



MV- Medium Volume CV Pump Models		Maximum Dispensing Volume (cc)	External Dimensions Inches (mm)	
			A	Electric
MV5C	P	E	5	Servo Drive Specific Contact your Hife Rep.
MV10C			10	
MV15C			15	
MV20C			20	
MV30C			30	
MV33C			33	
MV60C			60	
MV67C			67	
MV100C			100	
MV116C			116	
MV150C			150	
MV175C			174	
MV260C			260	



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