

# Rotary Valve Dispensing Pump

# LV-R Series



<b>Dispense Volume</b> 100-2000ml
<b>Viscosity</b> Medium to High (>20,000 cps)
<b>Applications</b>
The product can be used in a wide range of industries, including consumer products, cosmetics, chemical, technical, and pharmaceutical products.



LARGE VOLUME DISPENSING

## Details

Electric or Pneumatic Start Signal

Fine Adjustment Speed Control

High speed Rotary Actuator

Precision Pneumatic Drive

Precision Volumetric Adjustment

Precision Servo Drive and Motor Available

Programmable Servo Speed Profiling

Configurable Inlet & Outlet Fittings

Internal Full Stroke Sensor

Precision Pneumatic Drive

316L Stainless Steel Construction  
Other Materials of Construction available

High Accuracy  
+/- 0.5% or better

RV Pump Models			Maximum Dispensing	Piston Stroke		Piston Diameter		Cycle Speed	Air Consumption	Weight
	Pneumatic	Electric	Volume (cc)	mm	inch	mm	inch	(cpm) <sup>c</sup>	scfm (l/min) <sup>a</sup>	lbs (kg) <sup>e</sup>
LV100R	P	E	100	76.2	3	41.3	1.63	0-30	13 (370) <sup>a</sup>	60 (27)
LV290R			290			70.0	2.75			
LV500R			500			95.3	3.75			
LV1000R			1000	152.4	6	130.0	5.13	0-12	10.5 (296) <sup>b</sup>	64 (29)
LV1500R			1500			114.3	4.5			
LV2000R			2000			130.0	5.125			

<sup>A</sup> Calculated at full stroke at 30 cpm, 75 psi    <sup>B</sup> Calculated at full stroke at 12 cpm, 75 psi    <sup>C</sup> Depending on the application, the maximum cycle rate will vary

<sup>E</sup> Pneumatic Drive Only

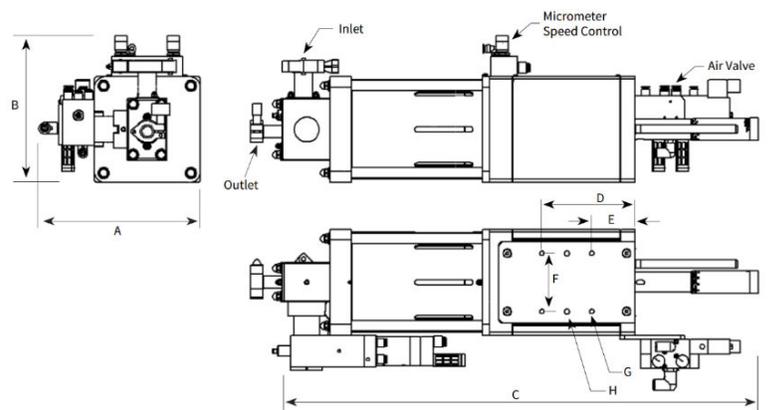


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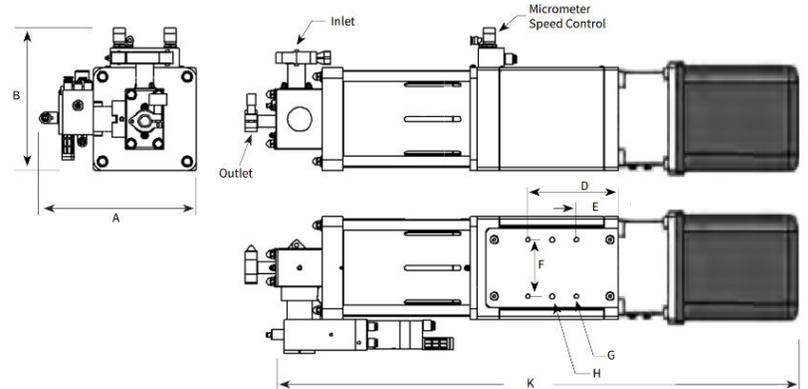
Inlet-Outlet Fittings		
Type	Size	
	Inlet	Outlet
Sanitary	1/2" - 2"	1/2" - 2"
Swage	3/4" - 1"	3/4" - 1"
Tube	3/4" - 1"	3/4" - 1"
Hose	3/4" - 1"	3/4" - 1"
Metric	request	request

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

## Pneumatic Drive



## Servo Drive



RV Pump Models			Maximum Dispensing Volume (cc)	External Dimensions (Inches[Metric])								
	Pneumatic	Electric		A	B	C	D	E	F	G	H	K
LV100R	P	E	100	9.3 [236]	8.8 [224]	25.5 [649]	4.1 [104]	1.1 [38]	3.5 [89]	M8x1.25	Ø8x8mm dp [ Ø0.316x 0.31dp]	Servo Drive Specific Contact your Hife Rep.
LV290R			290									
LV500R			500									
LV1000R			1000			30.5 [775]	29.1 [739]	2.59 [66]				
LV1500R			1500									
LV2000R			2000									



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