

Check Valve Dispensing Pump

LV-C Series



Dispense Volume 100-2000ml
Viscosity Low to Medium (<20,000 cps)
Applications
These pumps 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

Precision Volumetric Adjustment

Internal Full Stroke Sensor

Precision Servo Drive and Motor Available

Precision Pneumatic Drive

Programmable Servo Speed Profiling



High Accuracy
+/- 0.5% or Better

Configurable Inlet & Outlet Fittings

316L Stainless Steel Construction
Other Materials of Construction Available

CV Pump Models			Maximum Dispensing	Piston Stroke		Piston Diameter		Cycle Speed	Air Consumption	Weight
	Pneumatic	Electric	Volume (cc)	mm	inch	mm	inch	(cpm) ^c	scfm (l/min) ^a	lbs (kg) ^e
LV100C	P	E	100	76.2	3	41.3	1.63	0-30	13 (370) ^a	60 (27)
LV290C			290			70.0	2.75			
LV500C			500			95.3	3.75			
LV1000C			1000	130.0	5	0-12	10.5 (296) ^b	64 (29)		
LV1500C			1500	114.3	4.5					
LV2000C	2000	130.0	5							

^aCalculated at full stroke at 30 cpm, 75 psi ^bCalculated at full stroke at 12 cpm, 75 psi ^cDepending on the application, the maximum cycle rate will vary ^ePneumatic Drive Only

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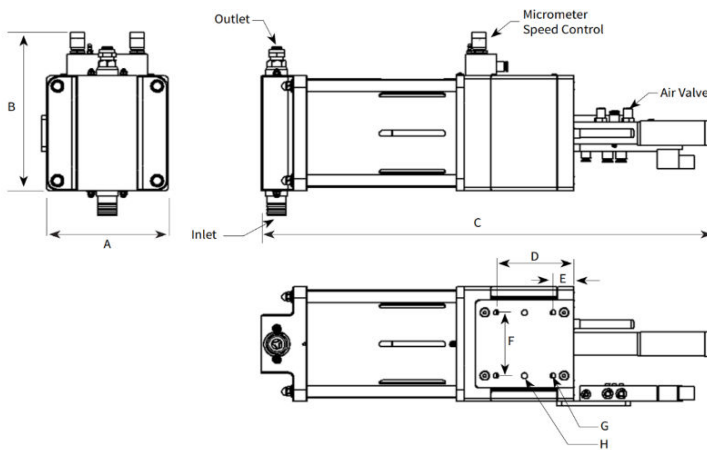


LARGE VOLUME DISPENSING

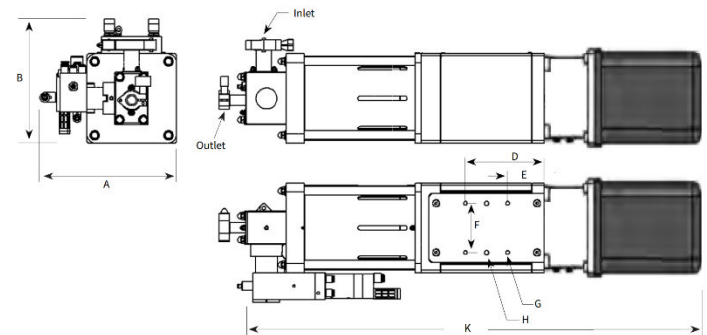
Inlet-Outlet Fittings		
Type	Size	
	Inlet	Outlet
Sanitary	1/2" - 2"	1/2" - 2"
Swage	3/4" - 1"	3/4" - 1"
Tube	3/4" - 1"	3/4" - 1"
Hose	3/4" - 1"	3/4" - 1"
Metric	request	request

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

Pneumatic Drive



Servo Drive



CV Pump Models			Maximum Dispensing Volume (cc)	External Dimensions (Inches[Metric])								
	Pneumatic	Electric		A	B	C	D	E	F	G	H	K
LV100C	P	E	100	6.4 [162]	8.8 [224]	23.8 [604]	3 [76]	1.5[38]	3.5[89]	M8x1.25	Ø8x8mm dp [Ø0.316x 0.31dp]	Servo Drive Specific Contact your Hife Rep.
LV290C			290									
LV500C			500									
LV1000C			1000									
LV1500C			1500									
LV2000C			2000			29 [738]						



HIFE SYSTEMS LTD.
 Aurora Canada Heidenheim Germany Sorocaba Brazil Ningbo China

Contact Us:

Asia: sales@hife-battery.com – North America: sales.1@hife-canada.com
 Europe: sales@hife-europe.com – South America: sales@hife-brasil.com