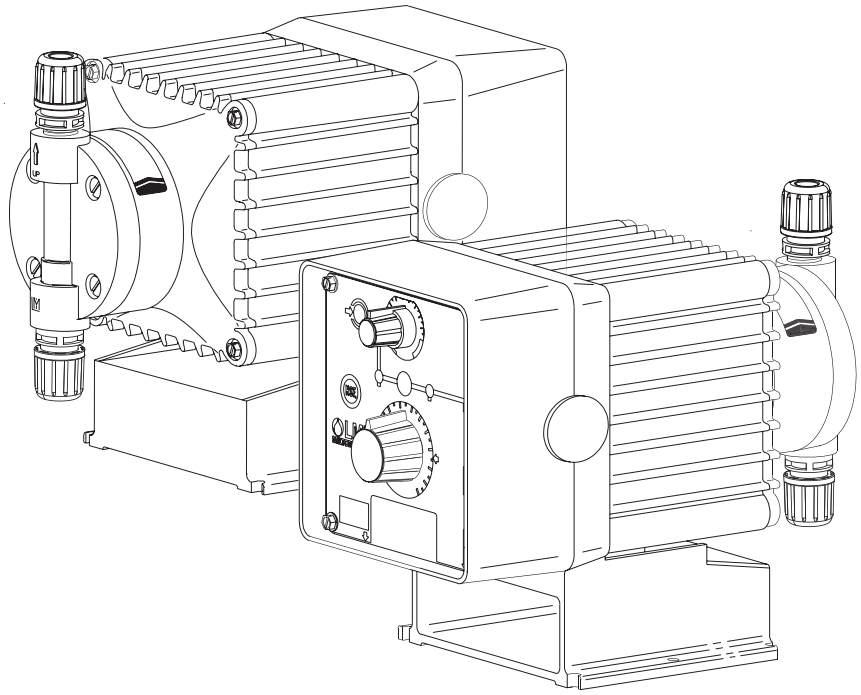
ELECTRONIC DOSING PUMP
LMI SERIES B7 / C7



Main technical Specifications

- Mechanically actuated diaphragm electromagnetic pump
- Maximum temperature of pumped chemical: 50 °C
- Self priming hight: 1.5 m
- Accuracy: ± 2% of adjusted output
- Adjustable frequency: 5 to 100 spm
- Adjustable stroke length: 0 to 100% Recommanded minimum: 10%
- Automatic stop by low level switch Optional detector
- Adjustable electronic power control

B7 Series

- Maximum output: 26 l/h
- Maximum pressure: 10.3 bar

C7 Series

- Maximum output: 76 l/h
- Maximum pressure: 20.7 bar

Wide Variety of Applications

- Pump head and valves in PVC, PVDF, Acrylic or 316L S.S. plus designs for high viscosity polymer.
- Ceramic balls and Aflas or PTFE seats.
- Composite pump diaphragms of the superior Fluorofilm® assure reliable and leak free operation in a wide variety of chemicals.

Unique Features

- Uses LMI's unique molded long life Electromagnetic Power Unit (EPU) with electromagnetically balanced construction.
- Clog resistant injection check valves with flexible flapper nozzle are standard.
- LMI's unique 4-Function Valve or multifunction Auto-Bleed Valve are low cost options.

Simple Rugged Construction

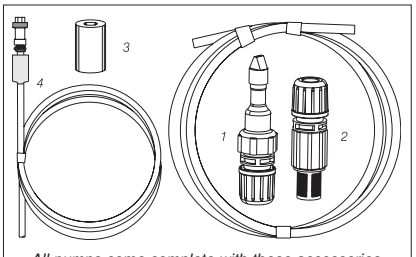
- Thick wall glass fiber or carbon fiber reinforced thermoplastic construction plus integrated metal-plastic structural and magnetic components result in vibration and shock resistance not ordinarily found in competitive products.
- Strong automotive type wire and electrical connectors add to its construction strength.

Totally Enclosed Corrosion Resistant IP65

- O-Ring sealed corrosion resistant enclosure of glass fiber reinforced polypropylene protects the pump from harsh chemicals and tough environments.

Complete with Accessories

- LMI B7 / C7 dosing pumps come complete with:
  1. injection check valve,
  2. foot valve,
  3. ceramic weigth,
  4. external control cable.
- Most models are also available with factory tubing.



All pumps come complete with these accessories.

Specifications

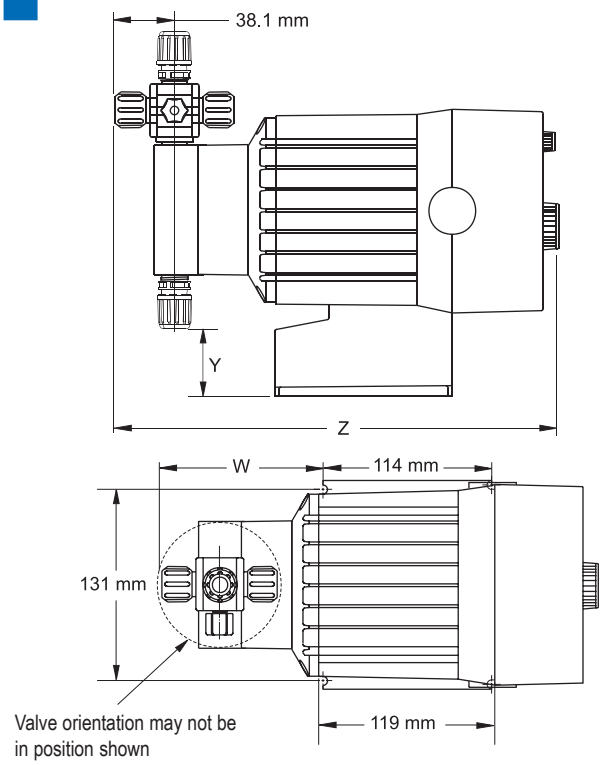
Model	OUTPUT (l/h) max.	PRESSURE (bar) max.	LIQUIFRAM size (inch²)	STROKE CAPACITY (ml) min.	(ml) max.	FREQUENCY (spm) min.	(spm) max.	LIQUID END BODY/SEATS MATERIAL PVC/Aflas	PVDF/Aflas	PVDF/PTFE	Acrylic/Aflas	316L/PTFE[1]	High Visc.[2]	TUBING CONNECTIONS Inch	Metric
B71*	6.0	10.3	0.9	0.10	1.00	5	100	398XY	392XY	393XY	390XY	297	85HV	.375"OD	6x8 mm
B72*	9.5	6.9	0.9	0.16	1.58	5	100	398XY	392XY	393XY	390XY	297	85HV	.375"OD	6x8 mm
B73	17	3.4	1.8	0.28	2.83	5	100	368XY	362XY	363XY	360XY	277	75HV	.375"OD	6x8 mm
B74*	26	2.0	3.0	0.44	4.42	5	100	318XY	312XY	313XY	310XY	27	25HV	.500"OD	9x12 mm
C70*	4.9	20.7	0.9	0.08	0.81	5	100	94S[3]	—	—	—	297	—	1/4"NPTm	—
C71*	9.5	10.3	1.8	0.16	1.58	5	100	368XY	362XY	363XY	360XY	277	75HV	.375"OD	6x8 mm
C72*	15	6.9	1.8	0.25	2.52	5	100	368XY	362XY	363XY	360XY	277	75HV	.375"OD	6x8 mm
C73*	30.4	4.1	3.0	0.51	5.05	5	100	318XY	312XY	313XY	310XY	27	25HV	.500"OD	9x12 mm
C74*	76	1.7	6.0	1.26	12.60	5	100	35T/M[4]	—	32/M	30/M[3]	37	—	.500"OD	9x12 mm

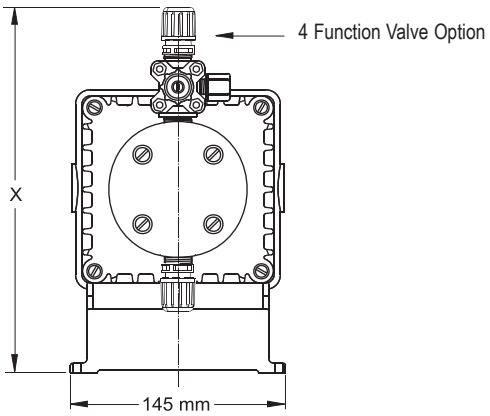
* When ordering, specify the voltage code by using one of the following numbers:
1 = 115 V, US Plug
3 = 230 V, CEE Plug
5 = 230 V, UK Plug
7 = 230 V, CH Plug
8 = 115 V, without Plug

(1) 1/4" NPTm connection for 277 and 297 - 1/2" NPTm for 27 and 37
(2) .500" OD / 15x23
(3) Seats in PTFE
(4) PP/PTFE

X	Y	
		Refer to liquid end chart for complete option code
	0	Pipe thread 1/2" BSP
	2	Inch tubing
	3	Metric tubing
	4	Reinforced PVC tubing 6x12
B		Bleed 4 function valve included
N		No function valve
S		4 function valve included
T		3 function valve included

Dimensions





	W	X	Y	Z
Pump without function valve	82.5	216	16.5	272
Pump with function valve	115.5	259	16.5	305
Pump with large head (C74)	107	244	0	295
High viscosity pump	90	241	16.5	279
Packing: B = 325 x 235 x 290 mm C = 380 x 235 x 290 mm			Gross Weight: B = 6.9 kg C = 8.7 kg	

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