

# Flow Verification

## Flow Verification System for PULSAtron Series MP Pump



### Reliable and Accurate Flow Verification

Rest assured that your chemical feed system is performing to your exact requirements with the Pulsafeeder Flow Verification System. The Flow Verification System monitors the pump throughput in relation to pump operation. The system monitors the solenoid activation for each stroke and verifies that liquid is being discharged through the sensor body.

If the sensor detects insufficient flow throughput when the pump solenoid is activated, it triggers a fault condition.

The Flow Verification System, upon a fault condition, will illuminate a green and red LED's for visual confirmation, engage a dry contact for remote alarm and will shut down the pump if selected in the menu.

### Key Features

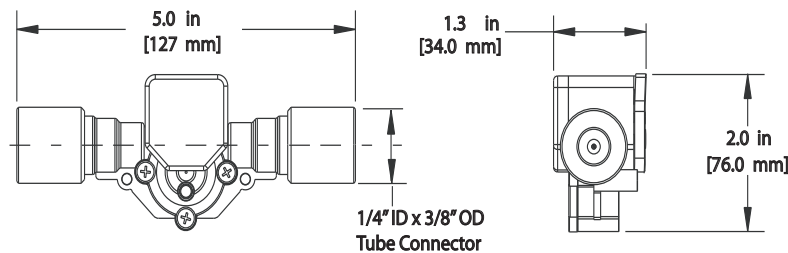
**Chemical Feed Verification:** Pump output is monitored to protect against loss of flow.

**Easy to Install and Operate:** No special tools are required and the in-line sensor is pre-wired to the pump with over 5 feet of wire.

**Visual Notification:** Bright green and red LED's illuminate to indicate an alarm condition for insufficient flow.

**Dry Contact Alarm Output:** Automatically closes when insufficient flow is recognized.

**PVDF Body:** is available with EPDM or Viton O-rings.



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# Flow Verification Specifications

## Pressure And Flow Rate Capacity

MODEL MP	LMK3	LMB4	LME4	LMH6	LMK7	LMH7	
Capacity nominal (max.)	GPH	0.60	1.00	1.85	5.00	8.00	10.00
	GPD	14	24	44	120	192	240
	LPH	2.3	3.8	7	18.9	30.3	37.9
Pressure (max.)	PSIG	100	100	100	100	50	35
	BAR	7	7	7	7	3.3	2.4
Connections	Tubing	1/4" ID x 3/8" OD (I)			1/4" ID x 3/8" OD (H)		
Reproducibility	+/- 2% at maximum capacity						
Stroke Frequency	125 Strokes Per Minute (SPM) maximum						
Stroke Frequency Turn-Down Ratio	100:1						
Minimum Stroke Length Turn-Down*	80%	40%	20%				
Power Input	115 VAC/50-60 HZ/1 ph 230 VAC/50-60 HZ/1 ph						
Average Current Draw	1.0 Amps @ 115 VAC, 0.5 Amps @ 230 VAC						
Peak Input Power	300 Watts						
Average Input Power @ max SPM	130 Watts						

**Note:** Flow Verification: Available on K3, B4 and E4 with connection code 1; H6, K7 and H7 with connection code H; 1/4" ID x 3/8" OD only.

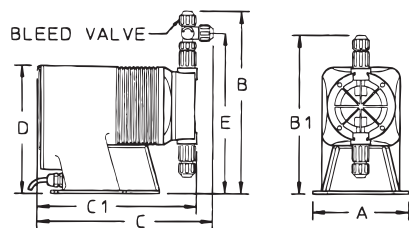
\* Stroke lengths below these values will result in nuisance insufficient flow alarms.

## Liquid End Materials

Series	Pump Head	Diaphragm	Check Valves		Fittings	Bleed Valves	Injection Valve Assembly Foot Valve Assembly	Tubing
			Seats/O-Rings	Balls				
MP	GFPPL PVC PDVF 316SS	PTFE-faced Hypalon-backed	PTFE, Hypalon, Viton	Ceramic, PTFE, 316 SS Alloy C	GFPPL PVC PVDF	Same as fitting and check valve selected, except 316 SS	Same as fitting and check valve selected	Clear PVC White PE

Important: Material Code - GFPPL = Glass-filled Polypropylene, PVC = Polyvinyl Chloride, PE = Polyethylene, PDVF = Polyvinylidene Fluoride. Hypalon and Viton are registered trademarks of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

## Dimensions



Series MP Dimensions (inches)								
Model No.	A	B	B1	C	C1	D	E	Shpg Wt
LMK3	5.4	10.6	-	10.7	-	7.5	9.2	13
LMB4	5.4	10.6	-	10.7	-	7.5	9.2	13
LME4	5.4	10.6	-	11.2	-	7.5	9.2	15
LMH6	6.2	11.3	-	11.9	-	8.2	9.9	21
LMH7	6.1	11.7	-	11.9	-	8.2	10.3	21
LMK7	6.1	11.7	-	11.2	-	8.2	10.3	21

NOTE: Inches X 2.54 = cm

An ISO 9001 and 14001 Certified Company



A Unit of IDEX Corporation

### Standard Product Operations

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