

PULSAtron®

Series M

PULSAFEEDER®
A Unit of IDEX Corporation

When you consider performance, reliability and cost of ownership, the PULSAtron Series M is the value leader in its category. Pulsafeeder continues to lead the way with a tradition of quality. Product contamination and leakage are eliminated by our mechanically actuated diaphragm design. Check valves are easily replaced as a unit to save time. A stroke lock mechanism maintains the accuracy of the stroke setting.

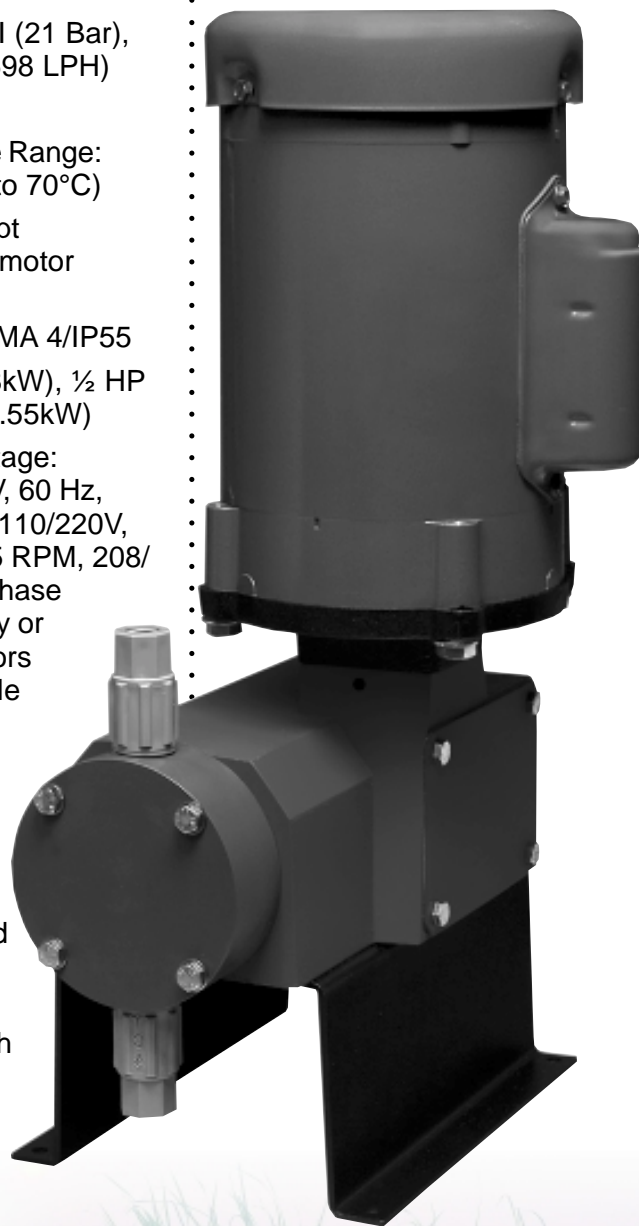
The pump mechanism is housed in a greased, sealed housing for virtually "wear-free" operation. The PULSAtron Series M is built to handle a variety of service requirements in industrial, power generation, water treatment and pulp and paper applications.

Key Market Benefits

- Affordable
- Reliable
- Ease of use and maintenance

Product Specifications

- Pressures to 305 PSI (21 Bar), Flows to 158 GPH (598 LPH)
- Accuracy: $\pm 2\%$
- Ambient Temperature Range: 0°F to 158°F (-18°C to 70°C)
- Motor adapters accept both NEMA and IEC motor frame sizes
- Enclosure rating: NEMA 4/IP55
- Motor HP: ¼ HP (.18kW), ½ HP (.37kW), and ¾ HP (.55kW)
- Motor Speed and Voltage: 1725 RPM, 115/230V, 60 Hz, 1 phase; 1450 RPM, 110/220V, 50 Hz, 1 phase; 1725 RPM, 208/230/460V, 60 Hz, 3 phase (optional); Chem Duty or Explosion Proof Motors (optional); and Variable Speed Drive Motors (optional)
- Materials of Construction: Housing: Cast Iron, Diaphragm: Teflon faced Hypalon, Liquid end options: PVC, PVDF, 316SS
- Manual Stroke Length Adjustment with mechanical locking device
- Lubrication: Greased for life
- Each pump is tested to insure capacity and pressure



technology
innovation diversity
excellence

PULSAtron Series M Specifications

For full model selection information refer to Price Schedule EMP-PS LP.

| LIQUID END MATERIALS | | | | | | | |
|----------------------|--------------|-----------|---------|-------|--------|-----------|---------------------------|
| Construction Type | Reagent Head | Diaphragm | Ball | Seat | Gasket | Valve Cap | Temp. Range |
| 316SS | 316SS | TFE Faced | 316SS | 316SS | PTFE | 316SS | 0 – 158 F (-18 – 70 C) |
| PVC (Model LI2) | PVC | TFE Faced | Ceramic | TFE | PTFE | PVC | 0 – 104 F (-18 – 40 C) |
| PVC (Model LI4) | PVC | TFE Faced | Ceramic | PVC | PTFE | PVC | 0 – 104 F (-18 – 40 C) |
| PVC (Model L2/L6) | PVC | TFE Faced | ALA | PVC | PTFE | PVC | 0 – 104 F (-18 – 40 C) |
| PVDF | PVDF | TFE Faced | HCO | PVDF | PTFE | PVDF | 0 – 158 F (-18 – 70 C) |

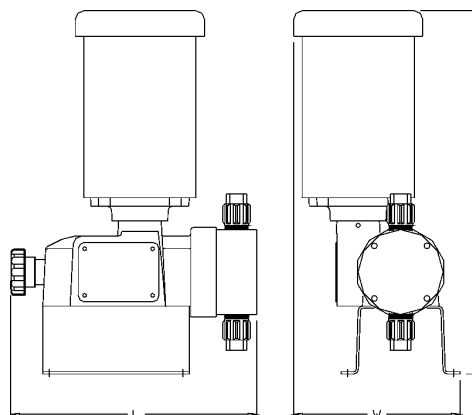
Approximate Overall Dimensions

LI2/LI4 Models:

| | L | H | W | WEIGHT |
|-------------|-------|-------|-------|---------|
| INCHES | 14.50 | 21.38 | 9.81 | 44 LBS. |
| CENTIMETERS | 36.83 | 54.35 | 24.92 | 20 KGS |

L2/L6 Models:

Consult Factory



PULSAtron Series M Accessories

Back Pressure Valves:



Provide positive back pressure for systems with less than 5 psi pressure difference between the discharge and suction sides to assure best metering performance. Select to match the pumps' discharge connection size.

- Maximum system pressure = 225 psi
- Back pressure adjustable from 0 to 150 psi

Pressure Relief Valves:



A pressure relief valve is required for installation on the discharge side of all positive displacing metering pumps. Pressure relief valves are used to protect system piping and components by eliminating abnormal high pressure conditions caused by an inadvertent closure of a valve or other line restriction. Select to match the pumps' discharge connection size.

- Max system pressure = 225 psi for valves with a 0-150 psi adjustment range.
- Max system pressure = 500 psi for valves with a 50-350 psig adjustment range.

Calibration Columns:



Used on the supply side of the pump to permit flow calibration. Never subject the column to vacuum or pressure.

To determine the minimum column capacity (gal.);
Multiply the pumps' rated flow rate, GPH x draw down time, sec. x 0.00028.

Example: Pump model L6T5, 105 GPH x 30 sec. x 0.00028 - 0.88 gal.



An ISO Certified Company



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