

# PULSAFEEDER®

The Pulsatron Series HV designed for high viscosity applications for precise and accurate metering control. The Series HV offers manual control over stroke length and stroke rate as standard with the option to choose between 4-20mA and external pace inputs for automatic control.

Five distinct models are available, having pressure capabilities to 150 PSIG (10 BAR) @ 12 GPD (1.9 lph), and flow capacities to 240 GPD (37.9 lph) @ 80 PSIG (5.6 BAR), with a turndown ratio of 100:1. Metering performance is reproducible to within  $\pm 2\%$  of maximum capacity.

## Features

- Automatic Control, available with 4-20mADC direct or external pacing, with stop function.
- Manual Control by on-line adjustable stroke rate and stroke length.
- Auto-Off-Manual switch.
- Highly Reliable timing circuit.
- Circuit Protection against voltage and current upsets.
- Panel Mounted Fuse.
- Solenoid Protection by thermal overload with auto-reset.
- Water Resistant, for outdoor and indoor applications.
- Indicator Lights, panel mounted.
- Guided Ball Check Valve Systems, to reduce back flow and enhance outstanding priming characteristics.
- Viscosities to 20,000 CPS.

## Controls



### Manual Stroke Rate

- Turn-Down Ratio 10:1

### Manual Stroke Length

- Turn-Down Ratio 10:1

### 4-20mADC Direct or External Pacing with Stop

- Automatic Control

## Operating Benefits

- Reliable metering performance.
- Rated "hot" for continuous duty.
- High viscosity capability.
- Leak-free, sealless, liquid end.



## Aftermarket

- KOPkits
- Gauges
- Dampeners
- Pressure Relief Valves
- Tanks
- Pre-Engineered Systems
- Process Controllers (MicroVision)



**PULSAtron® Series HV**  
**Electronic Metering Pumps**

# PULSAtron® Series HV

## Specifications and Model Selection

MODEL		LVB3	LVF4	LVG4	LVG5	LVH7
Capacity	GPH	0.50	1.00	2.00	4.00	10.00
	nominal	12	24	48	96	240
	(max.)	1.9	3.8	7.6	15.1	37.9
Pressure	PSIG	150	150	110	110	80
	(max.)	10	10	7	7	5.6
Connections:	Tubing	(S) .50" I.D. X .75" O.D. .38" I.D. X .50" OD (LVB3 & F4 only) (S & D) .50" I.D. X .75" O.D. (LVG4,G5 & H7 only)				

### Engineering Data

<b>Pump Head Materials Available:</b>	GFPPL PVC
<b>Diaphragm:</b>	PTFE-faced CSPE-backed
<b>Check Valves Materials Available:</b>	
<b>Seats/O-Rings:</b>	PTFE CSPE Viton
<b>Balls:</b>	PTFE 316 SS
<b>Fittings Materials Available:</b>	GFPPL PVC
<b>Injection Valve &amp; Foot Valve Assy:</b>	Same as fitting and check valve selected
<b>Tubing:</b>	Clear PVC White PE

Important: Material Code - GFPPL=Glass-filled Polypropylene, PVC=Polyvinyl Chloride, PE=Polyethylene, PVDF=Polyvinylidene Fluoride, CSPE=Generic formulation of Hypalon, a registered trademark of E.I. DuPont Company. Viton is a registered trademark of E.I. DuPont Company. PVC wetted end recommended for sodium hypochlorite.

### Engineering Data

<b>Reproducibility:</b>	+/- 2% at maximum capacity
<b>Viscosity Max CPS:</b>	20,000 CPS
<b>Stroke Frequency Max SPM:</b>	125
<b>Stroke Frequency Turn-Down Ratio:</b>	10:1
<b>Stroke Length Turn-Down Ratio:</b>	10:1
<b>Power Input:</b>	115 VAC/50-60 HZ/1 ph 230 VAC/50-60 HZ/1 ph
<b>Average Current Draw:</b>	
<b>@ 115 VAC; Amps:</b>	1.0 Amps
<b>@ 230 VAC; Amps:</b>	0.5 Amps @ 230 VAC
<b>Peak Input Power:</b>	300 Watts
<b>Average Input Power @ Max SPM:</b>	130 Watts

### Custom Engineered Designs – Pre-Engineered Systems



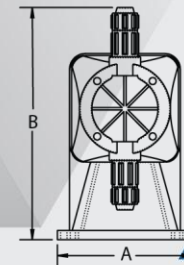
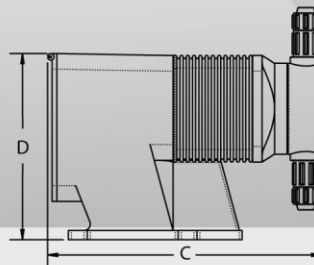
#### Pre-Engineered Systems

Pulsafeeder's Pre-Engineered Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From stand alone simplex pH control applications to full-featured, redundant sodium hypochlorite disinfection metering, these rugged fabricated assemblies offer turn-key simplicity and industrial-grade durability. The UV-stabilized, high-grade HDPE frame offers maximum chemical compatibility and structural rigidity. Each system is factory assembled and hydrostatically tested prior to shipment.

### Dimensions

Series HV Dimensions (inches)					
Model No.	A	B	C	D	Shipping Weight
LVB3	5.4	9.3	9.5	7.5	13
LVF4	5.4	10.8	10.8	7.5	18
LVG4	5.4	9.5	10.6	7.5	18
LVG5	5.4	10.8	10.8	7.5	18
LVH7	6.1	11.5	11	8.2	25

NOTE: Inches X 2.54 = cm



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