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The Pulsatron Series ET was designed to feed chemical in response to a water meter input. When the count exceeds a set value (either 1 or 10), the pump starts. The pump will continue to run for an adjustable time period. The Series ET includes both input and output water meter connections at the front panel. The output connection provides an isolated dry contact output of the water meter contact to operate additional pumps or timers off the same water meter. Typical applications include inhibitor feed for an open air-cooling tower. The Series ET provides everything you need in one unique, compact package to create a simple and cost effective metering system.

Fourteen distinct models are available, having pressure capabilities to 250 PSIG (17 BAR) @ 5 GPD (0.8 lph), and flow capacities to 504 GPD (79.5 lph) @ 20 PSIG (1.3 BAR), with a turndown ratios up to 100:1. Metering performance is reproducible to within ± 2% of maximum capacity.

Features

- Complete Timer Control in one unique package.
- Simple 'Mode Select' knob, Stroke Length, Stroke Rate.
- Two Selectable Time Base Settings.
- Water Meter Input. Activate pump on 1 or 10 counts.
- Isolated Dry Contact Water Meter Output.
- Isolated from Earth Ground.

Controls

Manual Stroke Rate
- Turn-Down Ratio 100:1

Manual Stroke Length
- Turn-Down Ratio 100:1

Time Range
- 2 to 200 seconds or 12 seconds to 20 minutes

Time Percent
- 1 to 100%

Water Meter Input and Output
- Isolated dry contact

Operating Benefits

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

Aftermarket

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

PULSAtron® Series ET Electronic Metering Pumps

PULSAtron® Series ET

Specifications and Model Selection

MODEL		LTB2	LTA2	LTB3	LTA3	LTF4	LTD4	LTB4	LTH4	LTG4	LTE4	LTH5	LTH6	LTH7	LTH8
Capacity nominal (max.)	GPH	0.21	0.25	0.50	0.50	0.85	0.90	1.00	1.70	1.75	1.85	3.15	5.00	10.00	21
	GPD	5	6	12	12	20	22	24	41	42	44	76	120	240	504
	LPH	0.8	0.9	1.9	1.9	3.2	3.4	3.8	6.4	6.6	7.0	11.9	18.9	37.9	79.5
Pressure (max.)	PSIG	250	150	150	100	250	150	100	250	150	100	150	100	35	20
	BAR	17	10	10	7	17	10	7	17	10	7	10	7	2.4	1.3
Connections	Tubing	1/4" ID X 3/8" OD										3/8" ID X 1/2" OD			
		3/8" ID X 1/2" OD										1/2" ID X 3/4" OD (20.83 GPH)			
	Piping	1/4" FNPT										1/4" FNPT			

Engineering Data

Pump Head Materials Available: GFPPL, PVC, PVDF, 316 SS

Diaphragm: PTFE-faced CSPE-backed

Check Valves Materials Available:

Seats/O-Rings: PTFE, CSPE, Viton

Balls: Ceramic, PTFE, 316 SS, Alloy C

Fittings Materials Available: GFPPL, PVC, PVDF

Bleed Valve: Same as fitting and check valve selected, except 316SS

Injection Valve & Foot Valve Assy: Same as fitting and check valve selected

Tubing: 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

Reproducibility: +/- 2% at maximum capacity

Controls:

Standby	On
200 sec/count	200 sec/10 count
20 min/count	20 min/10 count

Stroke Length Turn-Down Ratio: 100:1

Power Input: 115 VAC/50-60 HZ/1 ph, 230 VAC/50-60 HZ/1 ph, 5 Amp max

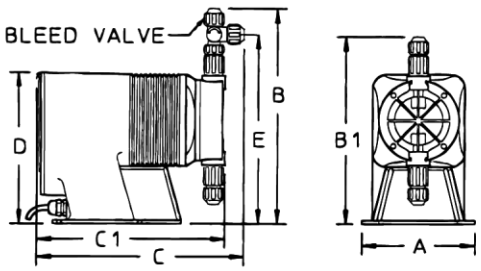
Custom Engineered Designs – Pre-Engineered Systems

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 ET Dimensions (inches)								
Model No.	A	B	B1	C	C1	D	E	Shipping Weight
LTA2	5.4	10.3	-	10.8	-	7.5	8.9	13
LTA3	5.4	10.6	-	10.7	-	7.5	9.2	13
LTB2	5.4	10.3	-	10.8	-	7.5	8.9	13
LTB3	5.4	10.6	-	10.7	-	7.5	9.2	13
LTB4	5.4	10.6	-	10.7	-	7.5	9.2	13
LTD4	5.4	10.6	-	11.2	-	7.5	9.2	15
LTE4	5.4	10.6	-	11.2	-	7.5	9.2	15
LTF4	5.4	10.6	-	11.7	-	7.5	9.2	18
LTG4	5.4	10.6	-	11.7	-	7.5	9.2	18
LTH4	6.1	10.9	-	11.2	-	8.2	9.5	21
LTH5	6.1	11.3	-	11.2	-	8.2	9.9	21
LTH6	6.1	11.3	-	11.2	-	8.2	9.9	21
LTH7	6.1	11.7	-	11.2	-	8.2	10.3	21
LTH8 *	6.1	-	10.9	-	10.6	8.2	-	25

NOTE: Inches X 2.54 = cm

* the LTH8 is designed without a bleed valve available