PULSAtron® PLUS

PULSAFEEDER®
A Unit of IDEX Corporation

Series ET

Feed Control with Water Meter Input

The Series ET was designed to feed chemical in response to a water meter input. 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.

Principal of Operation
The Series ET counts pulses from a water meter. 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. There are two time ranges – either 2 to 200 seconds or 12 seconds to 20 minutes. The setting is made by selecting a time base value (200 seconds or 20 minutes) and then setting the time base percentage from 1 to 100%.

Other control features include a standby mode, continuous 'ON' mode and the ability to adjust the stroke length from 0 – 100%.

The pump 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.

Operating Benefits

- **Complete Timer Control in one unique package**. There is no need for a separate timer. All timer functions are integrated into the pump eliminating the expense of purchasing and installing another piece of equipment.
- **Simple 'Mode Select' knob**. There are no complicated menu structures. Simply select the desired mode on the front panel and connect the water meter input.
- **Two selectable time base settings**. Chose the time base appropriate for your application and set the percent value to run the amount of time you desire.
- **Water Meter Input**. Activate pump on 1 or 10 counts.
- **Water Meter Output.** Includes a dry contact output for 'daisy chain' applications where you want to run more than one pump or controller from the same water meter.
- **Reliable metering performance**. Guided check valves with the proven seat and ball designs make PULSAtron the most reliable metering pumps in the world. PULSAtron pumps are known for excellent suction lift characteristics resulting in highly dependable chemical additions.
- **Rated 'hot' for Continuous duty**. PULSAtron Plus pumps continue to meet their specifications for pressure and capacity during extended use. The solenoid is separately encapsulated in a fin-cooled, thermal-conductive enclosure that effectively dissipates heat away from the electronics.
- **Leak-free, wet end without seals.** Our diaphragms are of superior construction – Teflon-faced, bonded to a composite of Hypalon and fabric layers and reinforced with a metal insert for optimum flexibility and durability.



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PULSAtron PLUS Series ET Specifications

Fifteen distinct models are available, having pressure capabilities to 250 PSIG @ 5 GPD and flow capacities to 500 GPD @ 20 PSIG, with turndown ratios up to 100:1. Metering performance is reproducible to within ±2% of maximum capacity. For full model selection information refer to Price Schedule EMP-PS LP.

- Isolated from Earth Ground
- 120VAC or 250VAC @ 50/60 HZ, 5A max
- Isolated Dry Contact (Water Meter)
- Isolated Dry Contact (Water Meter)
- Mode Select Knob, Stroke Length, Stroke Rate
- Standby, On, 200 sec/count, 200 sec/10 count, 20 min/count and 20 min/10 count
- Stroke rate and stroke length adjust 0-100% in 1% increments. Frequency turndown ratio 100:1.
- Agency approved for demanding ***OUTDOOR*** and indoor applications

Pressure and Flow Rate Capacity

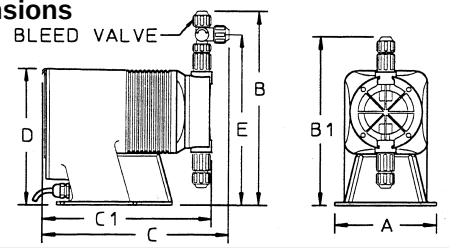
Capacity, nominal															
	GPD	5	6	12	20	21	24	40	42	44	75	94	120	240	500
	GPH	0.20	0.25	0.50	0.83	0.87	1.0	1.66	1.75	1.83	3.17	3.91	5.00	10.00	20.00
	LPH	.79	.95	1.89	3.15	3.31	3.78	6.31	6.62	6.94	11.83	14.82	18.93	37.85	78.85
Pressure, max PSIG / Bar															
250/17		LTB2	---	---	LTB2	---	---	LTH4	---	---	---	---	---	---	---
150/10		---	LTA2	LTB3	---	LTD4	---	---	LTG4	---	LTH5	---	---	---	---
100/7		---	---	LTA3	---	---	LTB4	---	---	LTE4	---	LTG5	LTH6	---	---
35/2.4		---	---	---	---	---	---	---	---	---	---	---	---	LTH7	---
20/1.3		---	---	---	---	---	---	---	---	---	---	---	---	---	LTH8

Liquid End Materials

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

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

Dimensions



Series ET Dimensions (inches)								
Model No.	A	B	B[1]	C	C[1]	D	E	Shipping Weight (lbs.)
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
LTG5	5.4	10.9	–	11.7	–	7.5	9.5	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 * LTH8 is designed without a bleed valve

KOPkit®

Available for every model, the KOPkit provides an economically priced package of parts required for routine maintenance. The kit typically contains new valve cartridges with o-rings, head, diaphragm, secondary o-ring seal, head screws and washers.



For further KOPkit information, refer to Technical Sheet No. EMP-002.

An ISO Certified Company

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Brochure No. EMP-020 10/99
Printed in the USA