Series E

WITH EXPANDED MODEL SELECTION

PULSAtron® Electronic Metering Pumps

Key Features:

- ***Manual Control*** by on-line adjustable stroke rate and stroke length.
- ***Agency Approved*** for demanding ***OUTDOOR*** and indoor application.
- ***Highly Reliable*** timing circuit.
- ***Circuit Protection*** against voltage and current upsets.
- ***Solenoid Protection*** by thermal overload with auto-reset.
- ***Water Resistant,*** for outdoor installation.
- ***Safe & Easy Priming*** with durable leak-free **bleed valve assembly** (standard most models).

Wide Selection

Twenty distinct models are available, having pressure capabilities to 300 PSIG @ 3 GPD, and flow capacities to 500 GPD @ 20 PSIG, with turndown ratios up to 100:1. Metering performance is reproducible to within ± 3% of maximum capacity.

Pump heads, cartridge check valve assemblies and tubing are stocked in several corrosion-resistant plastic, elastomeric and alloy materials along with stainless steel that safely handle a wide variety of chemicals.

Please refer to the reverse side for Series E specifications.

Operating Benefits

Reliable metering performance. Our guided check valves, with their state-of-the-art seat and ball designs, provide precise seating, and excellent priming and suction lift characteristics. Our timing circuit is highly reliable and, by design, virtually unaffected by temperature, EMI and other electrical disturbances.

Rated "hot" for continuous duty. Series E pumps continue to meet their specifications for pressure and capacity even during extended use. That's because our high quality solenoid is separately encapsulated in a fin-cooled, thermo-conductive, enclosure that effectively dissipates heat.

High viscosity capability. A straight flow path and ample clearance between the diaphragm and head enable standard PULSAtron pumps to handle viscous chemicals up to a viscosity of 3000 CPS. For higher viscosity applications, larger, spring-loaded connections are available.

Leak-free, sealless, liquid end. 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.

System Compatibility

A wide variety of chemicals can be pumped. Liquid end materials include glass-filled polypropylene (GFPPL), PVC, styrene-acrylonitrile (SAN), Polyvinylidene Fluoride (PVDF), Teflon, Hypalon, Viton, ceramic, alloys and 316SS.

Immediate installation and start-up. Included as standard accessories with all models are an injection/back pressure valve assembly and a foot valve/strainer assembly*, including discharge and suction tubing (*not available with high viscosity connections for > 3000 CPS).

Safe and easy priming and valve maintenance. Included as a standard accessory is a bleed valve assembly, including return tubing (available only on those models with tubing connections).

Quick and economical liquid end maintenance. Available for every model is a unique KOPkit®, a convenient, economically priced, package containing new cartridge check valves and other important spare parts.

For additional information about PULSAtron's full-featured Series E PLUS, refer to Technical Sheet No. EMP-021, and about the mid-range Series A PLUS, refer to Technical Sheet No. EMP-025. For information on the economy Series C PLUS and C refer to Technical Sheet Nos. EMP-026 and EMP-024.

* SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

An ISO 9002 System-Certified Company

PULSAFEEDER

A Unit of IDEX Corporation

IDEX CORPORATION

ISO 9002

PULSAtron® Series E Specifications

Important: Series E — 20 model selections. Digit 1 and 2 (LE) signify product class, digit 3 and 4 signify pressure/flow. For full model selection information refer to Price Schedule EMP-PS LX, or Reference Guide No. EMP-003.

Pressure and Flow Rate Capacity

* SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Capacity, nominal																				
	GPD	3	5	6	11	12	14	20	21	24	40	42	44	60	75	94	120	190	240	500
	GPH	.13	0.20	0.25	0.45	0.50	.58	0.83	0.87	1.0	1.66	1.75	1.83	2.5	3.17	3.91	5.00	8.00	10.00	20.00
	LPH	.49	.79	.95	1.73	1.89	2.20	3.15	3.31	3.78	6.31	6.62	6.94	9.5	11.83	14.82	18.93	29.96	37.85	78.85
Pressure, max PSIG/Bar																				
300/21		LEK2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
250/17		—	LE12	—	LE33	—	—	LEF4	—	—	LEH4	—	—	—	—	—	—	—	—	—
150/10		—	—	LE02	—	LE13	—	—	LE34	—	—	LEG4	—	LEK5	LEH5	—	—	—	—	—
100/7		—	—	—	—	LE03	LEK3	—	—	LE14	—	—	LE44	—	—	LEG5	LEH6	—	—	—
50/3.3		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	LEK7	—	—
35/2.4		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	LEH7	—
20/1.3		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	LEH8

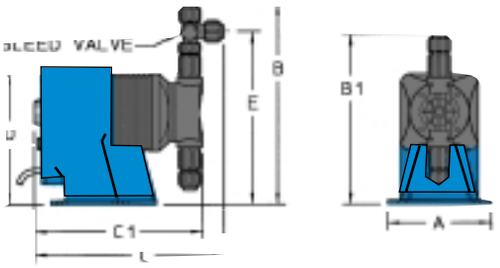
Liquid End Materials

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Series	Pump Head	Diaphragm	Check Valves		Fittings	Bleed Valve	Injection Valve Assembly Foot Valve Assembly	Tubing
			Seats/O-rings	Balls				
E	GFPPL PVC SAN PVDF 316SS	Teflon-faced Hypalon-backed	Teflon, Hypalon, Viton	Ceramic, Teflon, 316SS, Alloy C	GFPPL PVC PVDF 316SS	Same as fitting and check valve selected, except 316SS	Same as fitting and check valve	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.

Dimensions



Series E Dimensions (inches)								
Model No.	A	B	B[1]	C	C[1]	D	E	**Shipping Weight (Lbs.)**
LEO2	5.0	9.6	8.1	9.5	8.5	6.4	8.2	7
LEO3	5.0	9.8	8.3	9.5	8.5	6.4	8.4	7
LE12	5.0	9.6	8.1	9.5	8.5	6.4	8.2	7
LE13	5.0	9.8	8.3	9.5	8.5	6.4	8.4	7
LE14	5.0	9.8	8.3	9.5	8.5	6.4	8.4	7
LE33	5.4	10.6	9.0	11.3	10.4	7.4	9.2	12
LE34	5.4	10.6	9.0	11.3	10.4	7.4	9.2	12
LE44	5.4	10.6	9.0	11.3	10.4	7.4	9.2	12
LEF4	5.4	10.6	9.0	11.8	10.9	7.4	9.2	15
LEG4	5.4	10.6	9.0	11.8	10.9	7.4	9.2	15
LEG5	5.4	10.9	9.4	11.8	10.9	7.4	9.5	15
LEH4	6.1	10.9	9.4	11.3	10.2	8.2	9.5	18
LEH5	6.1	11.3	9.8	11.3	10.4	8.2	9.9	18
LEH6	6.1	11.3	9.8	11.3	10.4	8.2	9.9	18
LEH7	6.1	11.7	10.2	11.3	10.4	8.2	10.3	18
LEH8*	6.1	–	10.9	–	10.4	8.2	–	23
LEK2	5.4	10.3	8.8	10.9	9.9	7.4	8.9	10
LEK3	5.4	10.6	9.0	10.8	9.9	7.4	9.2	10
LEK5	5.4	10.9	9.4	11.8	10.9	7.4	9.5	15
LEK7	6.1	11.7	10.2	11.3	10.4	8.2	10.3	18

Note: Inches x 2.54 = cm

*The LEH8 is designed without a bleed valve.

KOPkit®

Pulsafeeder has built a reputation for superior reliability by supplying carefully designed, high quality equipment. Even the best equipment, however, requires a minimal amount of maintenance. KOPkits are designed to guard against unnecessary downtime and assure you the highest level of efficient and uninterrupted service from our PULSAtron pumps. KOPkits contain recommended spare parts for those parts that usually require preventive maintenance. KOPkits immediately available in all wetted materials at very affordable prices.

PULSAtron's Full Range of Electronic Metering Pumps.

ISO 9002 BSI

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Standard Product Operations
27101 Airport Road • Punta Gorda, Florida 33982

Technical Sheet No. EMP-022
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