Moving Forward

...with metering and control systems for a better tomorrow.

PULSAtron®

Electronic Metering Pumps



PULSAFEEDER®

A Unit of IDEX Corporation

IDEX CORPORATION

PULSAtron® Electronic Metering Technology

For over 10 years, the PULSAtron product line has evolved into philosophy of design that continues to set the standards for the entire industry. Our engineers have developed a guided check valve system with a proven 'seat and ball' design that ensures reliable and accurate metering year after year.

Our fin cooled Solenoid enclosure dissipates heat ensuring that the pressure handling capability of the pump can be maintained. The thermally protected Solenoid protects the pump from seizing up in extreme heat conditions with an automatic reset feature allowing the pump to resume operation upon cool-down. All PULSAtrons are tested and rated under hot conditions guaranteeing that the flow and pressure ratings meet the specifications.

There are no standards when it comes to the type of chemicals our pumps may encounter. We offer a variety of wet-end materials that the customer can choose from. Every pump is 'configured to order' with the customer designated wet-end materials that match the chemical requirements of the target application.

After more than 10 years of product evolution, the PULSAtron standard continues to set the pace With the recent introduction of the DG/5FV degas valve, PULSAtron can successfully handle a variety of gaseous solutions previously relegated to other metering technologies.

The PULSAtron family consists of six unique Series with 76 flow and pressure ranges to choose. Most models include our standard Bleed Valve assembly, foot strainer, injection valve and tubing. No matter what your application, choose the PULSAtron that is right for you.

Series MP

The Series MP is a true microprocessor controlled instrument for precise and accurate metering control. Packed with standard features, the Series MP include automatic control via 4-20mA or 20-4mA inputs, external pace with stop feature and 16 character LCD display with support for English, French and German languages.

- 20 distinct flow/pressure envelops
- Flow/pressure capacity ranging from 3gpd @ 300psi to 500gpd @ 20psi.
- Automatic control via 4-20mADC, 20-4mADC or External Pacing
- 1000:1 turndown
- 16 character LCD display and indicator lights
- Available in three languages
- Six button touch-pad control
- Relay and Stop outputs
- Thermally protected solenoid
- Panel mounted circuit breaker



Series E Plus

The Series E Plus offers manual control over stroke length and stroke rate as standard with the option to choose between 4-20mA or external pace inputs for automatic control.



- 20 distinct flow/pressure envelops
- Flow/pressure capacity ranging from 3gpd @ 300psi to 500gpd @ 20psi.
- 100:1 turn down ratio.
- Optional 4-20mA with stop function.
- Optional External Pacing with stop function.
- Auto-Off-Manual selection switch with indicator lights
- Built in circuit protection with easy access panel mounted fuse
- Clear hinged cover over controls for water resistance

Series E

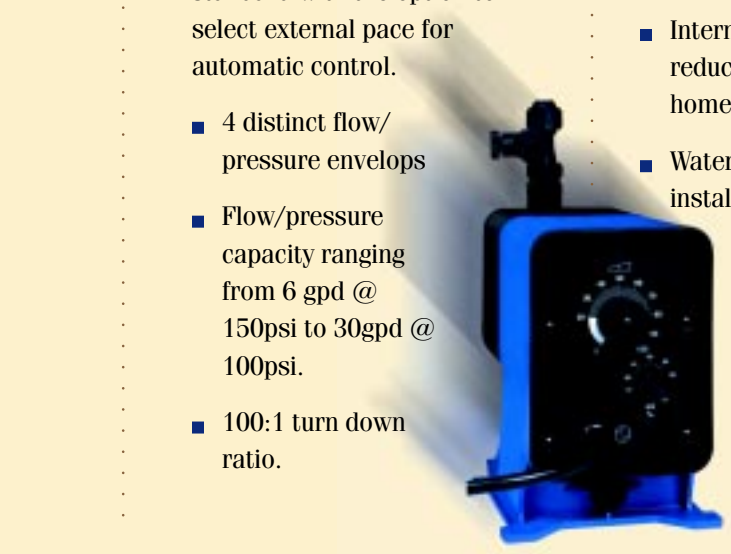
The Series E offers manual function controls over stroke length and stroke rate providing a turn down ratio of 100:1. Our best value in a pump with this capacity.

- 20 distinct flow/pressure envelops
- Flow/pressure capacity ranging from 3gpd @ 300psi to 500gpd @ 20psi.
- 100:1 turn down ratio.
- Built in circuit protection against voltage or current upsets.
- Water resistant for outdoor installations

Series A Plus

The Series A Plus offers manual control over stroke length and stroke rate as standard with the option to select external pace for automatic control.

- 4 distinct flow/ pressure envelops
- Flow/pressure capacity ranging from 6 gpd @ 150psi to 30gpd @ 100psi.
- 100:1 turn down ratio.



- PlusOptional external pacing with Auto/Manual switch.
- Internally dampened to reduce noise – ideal for home installations.
- Water resistant for outdoor installations.

Series C Plus

Like the Series A Plus, the Series C Plus offers manual control over stroke length and stroke rate as standard with the option to select external pace for automatic control. The primary difference is the pressure rating.

- 4 distinct flow/pressure envelops
- Flow/pressure capacity ranging from 6 to 30 gpd @ 80psi
- 100:1 turn down ratio.
- Optional external pacing with Auto/Manual switch.
- Internally dampened to reduce noise – ideal for home installations.
- Water resistant for outdoor installations.

Series C

The Series C offers manual on-line stroke length adjustment with fixed stroke rate. Optional control features include external pace a choice between momentary on/off switch for priming the pump or a toggle on/off switch for manual override of all control functions.



- 4 distinct flow/ pressure envelops
- Flow/pressure capacity ranging from 6 to 30 gpd @ 80psi
- 10:1 turn down ratio.
- Optional external pacing with Auto/Prime switch.
- Internally dampened to reduce noise – ideal for home installations.
- Water resistant for outdoor installations.

PULSAtron Electronic Metering Technology

- **Reliable metering performance.** Guided check valves with proven seat and ball designs make PULSAtron the most reliable metering pumps in the world.
- **Rated 'hot' for continuous duty.** PULSAtron pumps will continue to meet their specifications for pressure and capacity during extended use.
- **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.
- **Advanced electronic components.** PULSAtron circuit boards utilize the latest electronics to enhance performance and dependability. Our timing circuit is highly reliable and, by design, virtually unaffected by temperature, EMI and other electrical disturbances. All electronics are o-ring sealed for water-resistance and a transient voltage suppressor is utilized to protect electronics.



- **Pump a wide variety of chemicals.** Liquid end materials include glass-filled polypropylene (GFPPL), PVC, styrene-acrylonitrile (SAN), Polyvinylidene Fluoride (PVDF), Teflon, Hypalon, Viton, Ceramic, alloys and 316SS.
- **Safe and easy priming.** Bleed valve assembly bypasses chemicals back to the source during priming and allows the injection line to be drained prior to servicing. Included as a standard accessory with every PULSAtron pump.
- **Liquid end maintenance kit.** Available for every model, the KOPkit® provides a convenient, economically priced package of parts required for routine maintenance. The kit contains new valve cartridges with o-rings, head, diaphragm, secondary o-ring seal, head screws and washers.

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An ISO Certified Company

IDEX CORPORATION





technology innovation diversity excellence

Technology is the key to delivering responsible products to the markets that we serve. Leading the way in the development of metering technologies, Pulsafeeder continues to set the standard for accuracy, reliability and safety.

Innovation is another hallmark of Pulsafeeder. Helping customers find a new approach to an old problem is what we do best. Our trained technical staff is not only available to help with your application questions; they provide a vital link between our design staff and the customers we serve.

The diversity of our product line ensures that you will find a solution that addresses the specifics of your application. We are proud to offer a full range of pumps and controllers that address a wide variety of customer requirements — from the simplest to the most complex. We understand that the "standard" pump is not always adequate for every application and offer a full range of materials and options that allow customers to custom-order pumps that fit their specific application needs.

Pulsafeeder's commitment to excellence extends far beyond our products. It is the *people* of Pulsafeeder that truly set our company apart from the competition. Every employee at Pulsafeeder is trained for the position they fill and is dedicated to ensuring that our customer is satisfied both before and after the sale.