PULSAFEEDER®



PULSATRON®
SOLENOID METERING PUMPS

SIMPLE, RELIABLE AND ROBUST.



QUALITY PRODUCTS, TRUSTED SOLUTIONS
PULSATRON

Pulsafeeder simplifies diaphragm metering pump technology.

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.**

Helping customers find a new approach to an old problem is what we do best.

For over 25 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.**





DIAPHRAGM METERING PUMP TECHNOLOGY.

The key element which differentiates these pumps from other types is the TFE lined elastomer diaphragm. This diaphragm is sealed against the reagent head forming a seal-less, leak free pumping chamber. The solenoid driver is connected to the diaphragm to create the pumping motion. As the diaphragm moves away from the face of the reagent head, it creates a vacuum which closes the discharge check valve and opens the suction check valve, drawing the pumped fluid into the pumping chamber. As the solenoid forces the diaphragm toward the face of the reagent head, the suction check valve closes and the discharge check valve opens allowing the liquid to flow out the discharge valve.

Pulsafeeder sets the standard for accuracy, reliability and safety.

ADVANCED FEATURES AND FUNCTIONS TO BETTER SERVE YOUR CUSTOMERS.

Built to withstand harsh environments, PULSAtron metering pumps are reliable, dosing chemical accurately and safely. PULSAtron pumps offer versatile chemical control allowing them to be used in a large variety of applications. Precisely dose chemical, protecting costly equipment while optimizing chemical feed. This pump is ideal for all cooling tower applications including comfort cooling, industrial cooling, rinse, industrial process and wastewater.

Fluid Handlers can select from multiple control configurations — with features and benefits that customers ask for.

PROPORTIONAL PROCESS CONTROL

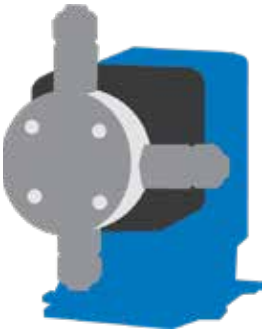


The PULSAtron series metering pumps offer a wide variety of process control inputs.

- 4-20mA inputs for metering control with Water meters and PLC's.
- Dry contact pulse inputs for use with PLC's and dry contact water meters.
- External remote stop input for use with a level wand for low chemical level control.
- Optional 4-20mA output

AUTOMATIC DEGASSING TECHNOLOGY

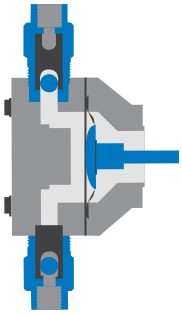
The unique degas valve system is designed to allow air to be vented from the pump head while minimizing the return fluid volume. This allows the pump to be totally self-priming which eliminates the need for a bleed valve. The degassing head also prevents the pump from losing its prime due to gas build up, especially in applications where the pump is run intermittently with long off times between runs.





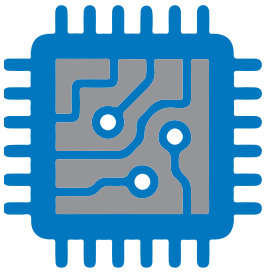
PREMIUM CONSTRUCTION.

- Few moving parts
- Optional wet-end materials
- High viscosity handling
- Long-life diaphragm
- Leak-free design



GUIDED BALL CHECK VALVE SYSTEM.

- Dual ball check with TFE seats
- Reduce back flow
- Outstanding priming characteristics



HIGHLY RELIABLE ELECTRONICS.

- Advanced timing circuit
- Rated hot for continuous duty
- Thermal overload



BLEED VALVE ASSEMBLY STANDARD.

- Safe and easy priming
- Durable and leak-free

Features and functions that create a simple to use, reliable, robust diaphragm metering pumps that matter to Fluid Handlers, assisting them in distributing chemical into their system effectively and safely.

PULSATRON RELIABLE AND VERSATILE.

AUTOMATIC CONTROL



- External/remote pacing, with stop available on E Plus, HV, MP Series
- External pace with auto/manual selection available on A Plus and C Series
- Flow Verification available on MP pumps 100 psi or less

INTEGRATED TANK SYSTEM



- 15 gallon tank
- Bulk head assembly
- Flow indicator
- Float assembly
- Pump mounting plate

PRE-ENGINEERED SYSTEM AND PANEL MOUNTED SYSTEMS



- Pre-Configured system
- Easy to install and operate
- Mounting flexibility
- Quick delivery
- Designed for harsh environments

FIVE FUNCTION AND FIVE FUNCTION DEGAS VALVE



- Degas - Bypass gases and fluid with Five Function Degas Valve
- Back pressure
- Anti-Siphon
- Air bleed
- Discharge drain
- Pressure Relief with Five Function Valve



MP SERIES

- Automatic control, fully scalable 4-20mADC, 20-4mADC input or external pacing
- Manual control allows for a combined 1000:1 turn-down
- Graphical LCD with backlight display
- Relay and stop outputs
- Simple prompts in plain language and programmable in four languages
- An optional 4-20mA output provides a remote indication of pump speed to remotely confirm the pump's speed is adjusting to your process parameters, and estimate chemical usage over time
- Flow verification option is available on select sizes



E PLUS SERIES

- 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 mount fuse
- Clear hinged cover over controls for water resistance



E + RC SERIES

- 10:1 turn down ratio
- Automatic speed control based on water meter input signal
- Selectable ratio control up to 1.0 Oz/Gallon
- Prime mode allows the pump to operate at 100% speed
- Built in circuit protection with easy access panel mount fuse
- Clear hinged cover over controls for water resistance



HV SERIES

- Automatic control, available with 4-20mADC direct or external pacing, with stop function
- Viscosities up to 20,000 CPS
- Auto-Off-Manual switch
- Manual control by on-line adjustable stroke length and stroke rate
- Highly reliable timing circuit



A PLUS, C PLUS, E SERIES

- 100:1 turn down ratio; 2000:1 on some models
- Water resistant for outdoor installation
- Manual control by on-line adjustable stroke length and stroke rate
- Optional external pacing with Auto/Manual switch on A Plus
- Internally dampened to reduce noise
- Optional: External pace, external stop or both



C SERIES

- 10:1 turn down ratio
- Optional automatic control by external pacing with prime switch
- Manual control by on-line adjustable stroke length
- Liquid low level option available to prevent loss of prime
- Internally dampened to reduce noise

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