

Moving
Forward

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

PULSAtron[®] PLUS



PULSAFEEDER[®]
A Unit of IDEX Corporation

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Water treatment professionals are under constant pressure to understand new chemical treatment programs. While some applications require sophisticated control systems with multi-parameter inputs and outputs, many installations can be satisfied with a simpler approach. The PULSAtron Plus is the ideal choice when basic control is all that is required.

PULSAtron Plus is a unique family of products that combine basic control functions into a PULSAtron Pump, eliminating the need for separate pieces of equipment. Available across a full range of pump capacity and pressure ratings, each member of the PULSAtron Plus family incorporates a variety of control features that target specific applications.

Series CW

Conductivity Control with Water Meter Feed

The Series CW provides conductivity control with a water meter feed.

Bleed is initiated when the conductivity level reaches the user-specified set point.

Chemical feed is initiated and controlled by input from a water meter. The Series CW includes a solenoid actuated metering pump, conductivity sensor, bleed relay and a dry contact input for water meter control.

- Simple user interface with single button function keys
- Conductivity range 0-6000 $\mu\text{S}/\text{cm}$, $\pm 1\%$
- Bleed relay output rated to 5A at 240VAC
- Isolated dry contact water meter input
- Isolated dry contact flow sensor input
- Pump capacity 6 to 30 GPD
- Pressure rating of 100 and 150 psi
- Stroke rate adjust 0-100% with turndown ratio of 100:1



Optional accessories available for the Series CW include a dry contact water meter, a flow switch with tee, or a complete flow assembly.

Series CL

Conductivity Control with Limit Timer

The Series CL provides conductivity monitoring and control with a Limit Timer that controls the feed time. Tower feed and bleed are initiated when the conductivity level reaches the user-specified set point. The programmable limit timer allows the operator to specify the maximum pumping time for the feed cycle. The Series CL includes a conductivity sensor, bleed relay and a user programmable limit timer.

- Simple user interface with single button function keys
- Conductivity range 0-6000 $\mu\text{S}/\text{cm}$, $\pm 1\%$
- Bleed relay output rated to 5A at 240VAC



Optional accessories available for the Series CL include a dry contact flow switch with tee, or a complete flow assembly.



- Isolated dry contact flow sensor input
- Pump capacity 6 to 30 GPD
- Pressure rating of 100 and 150 psi
- Stroke rate adjust 0-100% with turndown ratio of 100:1

Series WT

Feed & Bleed Control with Water Meter Input

The Series WT provides feed and bleed control with a water meter input. The feed and bleed cycles are initiated and controlled by input from the water meter. Separate programmable pulse timers control the pump and bleed relay. The Series WT includes a flow input, water meter input and two programmable pulse timers.

- Simple user interface with single button function keys
- Bleed relay output rated to 5A at 240VAC
- Isolated dry contact flow sensor input
- Pump capacity 6 to 30 GPD
- Pressure rating of 100 and 150 psi
- Stroke rate adjust 0-100% with turndown ratio of 100:1



Optional accessories available for the Series WT include a dry contact water meter, flow switch with tee, or complete flow assembly.

Series T7

Feed Control with 7 Day Timer

The Series T7 was designed to control the feeding of biocide or other product that must be fed on timed schedule. The Series T7 includes a 7-day programmable timer and clock with the ability to control up to 8 on/off cycles per day. Each timed event can be set to run any day of the week on a 7-day cycle. The feed cycle is initiated and controlled by the user programmable timer.

- Solid-state 7-day electronic timer
- Program up to 8 on/off events per day



- Pump capacity of 12, 22, 30 & 44 GPD @ 100 psi
- Stroke length adjust 0-100% in 1% increments, turn down ratio 10:1

Series ET

Feed Control with Water Meter Input

The Series ET provides feed control with input from 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.

- Isolated dry contact (water meter)
- Mode select knob, stroke length, stroke rate
- Pump capacity from 5 to 500 GPD
- Pressure ratings from 20 to 250 psi
- Stroke rate and length adjust 0-100% with turndown ratio of 100:1



PULSAtron Electronic Metering Technology

- **Complete control system** in one unique package. All control functions are integrated into the pump eliminating the expense of purchasing and installing another piece of equipment.
- **Simple installation.** All PULSAtron Plus systems are easy to set up and operate eliminating the need for lengthy and costly installations.
- **Reliable metering performance.** Guided check valves with the proven seat and ball designs make PULSAtron the most reliable metering pumps in the world.
- **Rated 'hot' for continuous duty.** PULSAtron Plus 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.
- **Pump a wide variety of chemicals.** Liquid end materials include glass-filled polypropylene (GFPPPL), 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 Plus system.
- **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.



 **PULSAFEEDER®**

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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.