

Moving
Forward

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

CHEM-TECH[®]



PULSAFEEDER[®]
A Unit of IDEX Corporation

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Series CTP

The *Series CTP* offers a bold new look in reliability and value and is available in three control options offering feed rates up to 60gpd (9.5 lph) with pressures to 125 psi (8.6 bar).

The *Series CTP-A* includes a percentage dial for reliable operation and adjustable feed rates in 5-second increments.

The *Series CTP-AE* is a 100% fixed rate economy model with an on-off dial for applications requiring constant feed and easy use. Both *Series CTP-A* and *CTP-AE* models are available with optional 7-day timers for biocide feed or other timed applications.

For applications requiring precise feed rates, the *Series CTP-D* offers digital control from 10% to 100% up to 60 gpd (9.5 lph). Adjustable in 1% increments, the *Series CTP-D* provides maximum control for demanding applications.

Simplex and duplex head configurations are both available.

- **Simplified operation.** Push-button prime switch and on-off dial provide quick, safe start-up and convenience. The simplified control pad allows easy incremental adjustment and feed rate control.
- **Reliable operating performance.** Self-priming, automatic de-gassing design assures that the metering pump won't airlock and will deliver constant feed. High strength Norprene® peristaltic tubing is rated for consistent feed over periods of extended use.
- **Low maintenance.** No tube adjustment is required. Roller assembly is self-lubricating. Rugged, chemical-resistant ABS housing and heavy-duty gearmotor are engineered for years of maintenance-free service in demanding applications.



When choosing equipment for residential or commercial use, Pulsafeeder technology to meet all of your water conditioning equipment needs. Pulsafeeder and you have a choice of pumps consisting of peristaltic and diaphragm technology.

Pulsafeeder and you have a choice of

Series 99X

The *Series 99X* combines the functionality of a standard diaphragm metering pump with a valve designed for degassing to create the ideal metering system for Sodium Hypochlorite, Hydrogen Peroxide or any other gaseous solution. Available in all the popular flow rates from 7 to 30 gpd (1 to 4.7 lph) @ 100 psi (6.9 bar), the *Series 99X* is the affordable alternative to peristaltic technology.

- **Feed rate control.** The output is fully adjustable over the entire operating range.
- **Degassing valve.** Allows for constant removal of gasses from the pump head.
- **Anti-Siphon.** Prevents siphoning through the pump.
- **Discharge to drain.** Relieves pressure on the pump without the need to loosen tubing or fittings. Protects operator from chemical exposure.
- **Sealed gear train.** Lowers maintenance and extends the life of the pump.
- **4-ball check valve.** Ensures accurate and reliable metering performance.
- **Chemical resistant materials.** Motor and gear shaft are treated with a special lubricant to extend the life of the pump in normal operating environments.



Pulsafeeder has the experience, engineering capabilities and needs. The Chem-Tech product line offers a wide variety of
Combine any of these pumps with accessories offered by
plete water conditioning system.

Series 100 & 150

The *Series 100 & 150* positive displacement, diaphragm metering pumps are respected by professionals around the world for dependability, easy maintenance and versatility in a wide range of water treatment applications. Also available with dual head assemblies, the *Series 100D & 150D* are ideal for metering two solutions at different outputs.

- **Versatility.** Range of models, offering feed rates from 3 to 100 gpd (.5 to 15.8 lph) at operating pressures up to 100 psi (6.9 bar).
- **Feed rate control.** The output is fully adjustable over the entire operating range.
- **Bleed valve assembly.** Aids in priming and relieves pressure from the discharge line.
- **Sealed gear train.** Lowers maintenance and extends the life of the pump.
- **4-ball check valve.** Ensures accurate and reliable metering performance.
- **Chemical resistant materials.** Motor and gear shaft are treated with a special lubricant to extend the life of the pump in normal operating environments.
- **Simple installation.** Injection back pressure valve assembly enables injection at an angle and inhibits siphoning.



Series 200 & 250

The *Series 200 & 250* are mechanically activated, heavy duty diaphragm feed pumps that provide excellent efficiency under strenuous conditions. The *Series 200* pumps are popular for their rugged design for continuous duty operation, while the *Series 250* combines the power and repeatability of piston pumps with the chemical resistance of diaphragm pumps for high pressure applications.

- **Versatility.** The *Series 200* offers feed rates from 10 to 120 gpd (1.6 to 18.9 lph) and operating pressures up to 150 psi (10.3 bar), while the *Series 250* offers feed rates to 108 gpd (17 lph) and operating pressures up to 225 psi (15.5 bar).
- **Durability.** Strong fibercore casing and corrosion-resistant rubber and plastic solution handling components.
- **Reliability.** Oil immersed gear train and heavy duty, fan-cooled motor with thermal overload protection.
- **Long life.** Metal reinforced, short stroke diaphragm.
- **Bleed valve assembly.** Aids in priming and relieves pressure from the discharge line.
- **High torque motor-gear coupling.** Ensures start-up under maximum pressure.



Accessories

■ ITS System

The ITS System is a completely integrated tank system constructed of high density UV resistant polyethylene (PE) with a 15 gallon capacity. This tank system is translucent with 5 gallon increments and the tank's low level indicator allows visual monitoring of chemicals without opening the tank. The tight fitting child proof lid keeps the chemical free of contaminants and protects the surrounding area chemical fumes. The ITS system also allows for easy access to the liquid end and control panel of the mounted pump. A system consists of a chemical tank with lid and bulkhead fittings, a liquid level indicator float assembly and feeder mounting hardware.



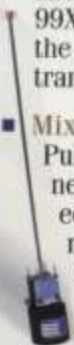
■ Solution Tanks

Constructed of high quality, industrial grade polyethylene, these solution tanks come complete with rigid high-strength lids and feature a convenient feed hole for easy solution replenishment. The rigid cover allows for top mounting of the Chem-Tech Series 99X, 100, 150, 200 and 250 pumps as well as the 1/20 HP flange mount mixer. The tanks are translucent with 5 gallon graduations.



■ Mixers

Pulsafeeder offers a complete line of mixers to meet your needs. Each mixer is dynamically balanced on special factory equipment before it is released for shipment. Four different mounting configurations are available for your selection. Each type has ample strength to withstand operational stresses and each mount is protected with corrosion resistant paint and all bolts are 18/8 stainless steel.



■ DG/5FV Five Function Valve with De-Gas

With the DG/5FV you don't have to give up the accuracy and control of a solenoid metering pump in order to pump gaseous solutions. Available in a variety of materials and popular sizes, the DG/5FV is ready to tackle most applications. Not only does the DG/5FV provide degassing, it is packed with features that increase safety, enhance performance and generally improves the convenience of operation.



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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.