



# CHEM·TECH

**PULSAFEEDER**



**IDEX**  
FLUID & METERING

*REAL Performance*

## XP SERIES

The XP Series of peristaltic, positive displacement pumps are the latest design in the Chem-Tech family. Inherently self priming and off-gas tolerant, the XP Series is the ideal choice for chlorine and similarly volatile chemical applications.

**Mixed fluid capable:** Peristaltic tube design with triple roller assembly pump both liquid and gas without risk of vapor lock.

**Versatility:** Full range of models, offering feed rates from 3 to 100 USgpd (0.5 to 15.8 lph) at operating pressures up to 100 psig (6.9 bar).

**Feed rate control:** Optional 'A' Models with current interrupter adjusts flow to meet application needs. Optional 'V' Models have variable speed drives for maximum versatility.

**Sealed gear train:** All oversized gears, housed in sealed metallic housing lowers maintenance and extends the life of the pump.

**Chemical resistant materials:** The tubing assembly is the only wetted component within the pump for maximum compatibility.

**Simple installation:** Triple roller assembly prevents syphoning and eliminates the need for a foot valve.



## 100/150 SERIES

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 conditioning applications. Also available with dual head assemblies, the Series 100D & 150D are ideal for metering two solutions at different outputs.

**Versatility:** Full range of models, offering feed rates from 3 to 100 USgpd (0.5 to 15.8 lph) at operating pressures up to 100 psig (6.9 bar).

**Feed rate control:** The output is fully adjustable over the entire operating range.

**Bleed valve assembly:** Aids in the priming and relieves pressure from the discharge line.

**Sealed gear train:** Lowers maintenance and extends the life of the pump.

**Quad ball check system:** 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 syphoning.



## SYSTEMS

Each of the Chem-Tech metering pumps can be ordered as part of a system for a true integrated solution. From the 15 USgal ITS tank system with integral pump shelf to tanks holding 55 USgal and above, a complete system is simple and easy to order.

**ITS tank system:** The ITS System is a completely integrated tank system constructed of high density UV resistant polyethylene (PE) with a 15 USgal (56.8 liter) capacity. This tank system is translucent with 5 US gal 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 from chemical fumes. The ITS System also allows for easy access to the liquid end and control panel of the mounted pump.

**Versatility:** Full range of tank sizes, from 7.5 to 200 USgal (28.4 to 757 liters) with mounting options for pumps and mixers.

**Chemical resistant materials:** The HDPE tank material ensures maximum compatibility and durability.

## PRIME PERFORMANCE SERIES

The Prime Performance Series of degassing, positive displacement pumps are built upon the successful Series 100 / 150 diaphragm metering products. The injection molded pump head includes a specially designed vent valve to prevent vapor lock for chemicals prone to off-gassing.

**Degas head assembly:** Top mounted vent valve evacuates gas bubbles for return to the tank to eliminate vapor lock.

**Versatility:** Full range of models, offering feed rates from 3 to 100 USgpd (0.5 to 15.8 lph) at operating pressures up to 100 psig (6.9 bar).

**Feed rate control:** The output is fully adjustable over the entire operating range.

**Sealed gear train:** Lowers maintenance and extends the life of the pump.

**Quad ball check system:** 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.



## PULSAtron C / C+ SERIES

The PULSAtron C and C+ Series are solenoid-driven diaphragm pumps with a feature set tailored for the water conditioning market. A thermally protected solenoid is driven electronically and adjustable manually or automatically with flow meter input.

**Bleed valve assembly:** Aids in the priming and relieves pressure from the discharge line.

**Versatility:** Models range from basic stroke only, stroke and speed in addition to optional external pacing with Auto/Prime switch.

**Feed rate control:** With up to 100:1 turndown, a wide range of feed rates can be chosen, from 6 to 30 USgpd (0.95 to 4.8 lph) at 80 psig (5.5 bar).

**Internally dampened:** Noise reduction ideal for home installations.

**Guided check valves:** Holds prime and 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.

**Degassing head:** Optional PVC head with top mounted vent valve prevent vapor lock for off-gassing applications.



*When choosing equipment for residential or commercial use, Pulsafeeder has the experience, engineering capabilities and technology to meet all of your water conditioning equipment needs. The Chem-Tech product line offers a wide variety of pumps consisting of peristaltic and diaphragm technology. Combine any of these pumps with accessories offered by Pulsafeeder and you have a complete water conditioning system.*



CONTACT YOUR LOCAL  
PULSAFEEDER REPRESENTATIVE  
FOR MORE DETAILS

Pulsafeeder, Incorporated is an ISO certified company and is committed to providing the highest quality products. Pulsafeeder warrants all pumps and controllers of its manufacture to be free of defects in material and workmanship for 24 months from date of shipment from the factory. Please visit our website or contact a sales representative for more information.

## Accessories



### 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.



**PULSAFEEDER**

### Standard Product Operations

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*An ISO Certified Company*

**IDEX**  
FLUID & METERING

Since 1936, Pulsafeeder, Incorporated has been the recognized leader in fluids handling, electronic pump controllers and systems technology. We have always understood that leadership is comprised of many facets, all in balance: long-lasting, high performance products, comprehensive application solutions, innovative engineering designs, knowledgeable and attentive service, continuous improvements in R & D and Manufacturing processes. Pulsafeeder works hard to maintain this balance - always with the goal to provide the best products and support for our customers.

Ingrained in our product development values are the needs of our customers. From initial concept to commercialization and beyond, every aspect of a product's lifecycle is linked and validated to the Voice of the Customer. In the water conditioning market, the Chem-Tech product line has addressed the needs of professionals for over 50 years:

**Reliable:** Products, people and services that are dependable and trustworthy and available when needed.

**Easy-to-Use:** Simple, intuitive products to operate and maintain, with as few parts as possible.

**Affordable:** True value, including initial purchase, operating costs and maintenance leading up to total cost of ownership benefit.

**Long-lasting:** Robust, durable components, products and systems designed and manufactured to withstand the conditions of service.

With one of the broadest range of product technologies and hydraulics in the water conditioning market, the Chem-Tech brand has a solution to meet your need.

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