

# CHEM-TECH

## Prime Performance

Metering Pumps

**PULSAFEEDER**<sup>®</sup>  
A Unit of IDEX Corporation

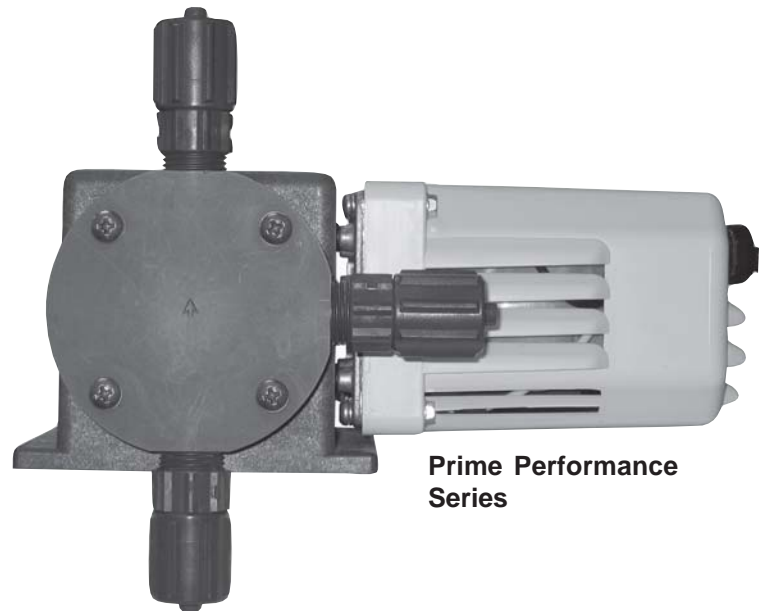
The new CHEM-TECH *Prime Performance* pump combines Pulsafeeder's proven degassing technology with the durability and dependability that has earned CHEM-TECH pumps the respect of water treatment professionals around the world. The result is a series of positive displacement diaphragm metering pumps that are totally self-priming and maintain their prime even in the most demanding water conditioning and water treatment applications.

### Operating Benefits

- **Self Priming!** Pulsafeeder's unique degas valve system eliminates the need for a bleed valve - the pump primes itself!
- **Maintains its prime - all the time!** The degas valve system ensures that the pump maintains its prime - even when metering difficult chemicals such as sodium hypochlorite or sodium hydroxide - saving you valuable time and money by eliminating unnecessary service calls.
- **Simple Maintenance.** The diaphragm metering pump design means that there is no hassle in changing out peristaltic tubes or cleaning up messes from peristaltic tube failures.
- **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.
- **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.

### Operation

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.



Prime Performance Series



technology  
innovation  
diversity  
excellence

# Chem-Tech Prime Performance Series Specifications

MATERIALS OF CONSTRUCTION		
DESCRIPTION	STANDARD PUMPS	MATERIALS FOR SPECIAL APPLICATIONS
Pump Head	PVC	PVC
Diaphragm	Hypalon	Viton
Valve Seats	Hypalon	Viton
Gaskets	PTFE	PTFE
Discharge Tubing	Polyethylene	Polyethylene
Suction Tubing	Flexible PVC	Flexible PVC
Ball Checks	Ceramic	Ceramic
Fittings	PVC	PVC

**NOTE:** Maximum viscosity: 20 Cp., consult factory or chemical Resistance Guide for specific solutions, special components and accessories.

**DIMENSIONS:**

6.75 H x 8.88 W x 7.25 D (inches)  
17.14 H x 22.55 W x 15.42 D (cm)

**TEMPERATURE LIMITATIONS:**

125°F/51°C max.

**ELECTRICAL REQUIREMENTS:**

1/60 HP, 115V/60Hz; 230V/50Hz and 230V/60Hz available on request

**SHIPPING WEIGHT:**

8 lbs./3.63 kg.

Specifications subject to change without notice.

SPECIFICATIONS				
Model Number	Max Pressure (psi/kgm <sup>2</sup> )	Output Capacity at Max PSI (gpd/lpd per head)	Strokes/Minute	Amps 115v, Full Load
015	100/7	15/56.78	25	.59
024	100/7	24/90.84	51	.75
030	100/7	30/113.55	51	.79
068	60/4.2	68/257.38	51	1.0
100	60/4.2	100/378	70	1.0

## One Source for All Your Metering Pump Needs!



### Tank Systems

The Chem-Tech Prime Performance Tank System is the ultimate solution for cost effective, simple and convenient metering pump installations. The fifteen gallon system shown features a rugged, translucent polyethylene tank graduated in both gallons and liters, a bulkhead to secure the pump vent tube, a low level indicator, a safety fill cap and corrosion resistant nylon fasteners to secure the pump. Also available in a 35 gallon tapered tank version.



### Control Mate

Accurate proportional control is easy with Pulsafeeder's Control Mate! The Control Mate accepts a dry contact closure from a water meter and energizes the pump for an amount of time that is easily adjustable from 0.6 to 60 seconds. The unit comes prewired with a 115 VAC power cord and receptacle, so it is extremely easy to install.



### Water Meters

Rugged and reliable contacting head water meters with totalizers are available in sizes ranging from 3/4" to 2" NPT with flow capabilities ranging from 0.25 to 130 gpm. Use the water meter in conjunction with the Control Mate and Tank System to create a convenient flow proportional metering system!



An ISO Certified Company



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