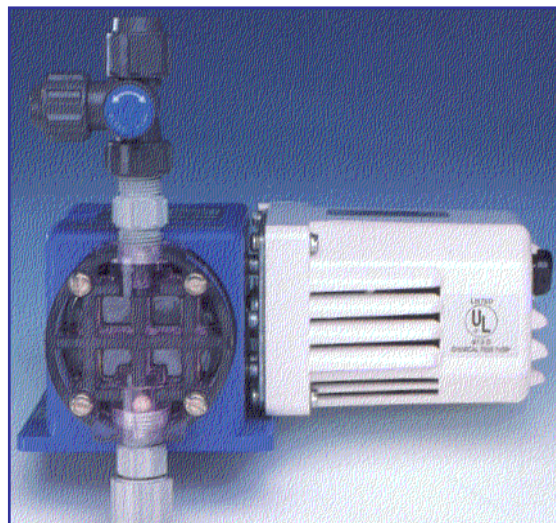


Chemical Feed Pumps

PULSAFEEDER CHEM-TECH SERIES 100 & 150 CHEMICAL FEED PUMPS →

FEATURES

- **Versatility:** Range of models, offering feed rates from 3 gpd to 100 gpd at operating pressures up to 100 psi
- **Low Maintenance:** Lifetime lubricated, sealed, self maintaining gear train
- **Reliability:** Four ball valve design for trouble-free operation
- **Durability:** Strong, chemical resistant, flame retardant housing
- **Long Life:** Metal reinforced, short stroke diaphragm
- **Simple Installation:** Injection back pressure valve assembly enables injection at an angle and inhibits siphoning
- **Bleed Valve Assembly:** Aids in priming and relieves pressure from the discharge line



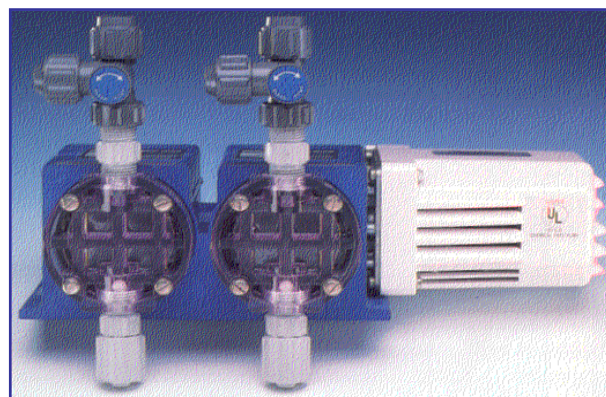
| MATERIALS OF CONSTRUCTION FOR SERIES 100, 150 AND 200 | | |
|-------------------------------------------------------|----------------|---------------------------------------------|
| DESCRIPTION | STANDARD PUMPS | MATERIALS FOR SPECIAL APPLICATIONS |
| Pump head | SAN | PVC, Polypropylene, or 316 SST |
| Diaphragm | Hypalon | Viton, Teflon Coated, Silastic ¹ |
| Valve Seats | Hypalon | Viton, Teflon |
| Gaskets | Teflon | n/a |
| Discharge Tubing | Polyethylene | ½" NPT Connections |
| Suction Tubing | Flexible PVC | ½" NPT Connections |
| Ball Checks | Ceramic | Teflon, 316 SST |
| Fittings | PVC | Polypropylene, 316 SST, PPS ¹ |

Note 1. Available only on Series 200

The Series 100D & 150D with dual head assemblies are ideal for metering two solutions at different outputs. ▼

SPECIFICATIONS

- **Maximum Viscosity:** 300 Cp., consult factory or Chemical Resistance Guide for specific solutions, special components and accessories
- **Dimensions:** 6 ¾" H x 8 7/8" W x 7 ¼"D (Series 100 & 150)
6 ¾" H x 12 5/16"W x 7 ¼ "D (Series 100D)
- **Temperature Limitations:** 125°F / 51°C max.
- **Electrical Requirements:** 1/60 HP, 115V/60cy; 230V/60cy and 230V/50 cycle available on request
- **Shipping Weight:**
8 lbs./3.63 kg. (Series 100 & 150)
12 lbs./5.4 kg. (Series 100D)



Water King
WATER CONDITIONING

CAT750.2

| SPECIFICATIONS SERIES 100 & 150 | | | | |
|--------------------------------------------|-----------------------------------------------|----------------------------------------------------------|-----------------------|----------------------------|
| Model Number | Maximum Pressure (psi/kgm²) | Output Capacity at Maximum psi (gpd/lpd) per head | Strokes/Minute | Amps 115V Full Load |
| Series 100 | | | | |
| 003 | 100/7 | 3/11.36 | 7 | .30 |
| 007 | 100/7 | 7/26.50 | 13 | .42 |
| 015 | 100/7 | 15/56.78 | 25 | .59 |
| 024 | 100/7 | 24/90.84 | 51 | .75 |
| 030 | 100/7 | 30/113.55 | 51 | .79 |
| Series 150 | | | | |
| 068 | 60/4.2 | 68/257.38 | 51 | 1.0 |
| 100 | 60/4.2 | 100/378 | 70 | 1.0 |
| Series 100D | | | | |
| 1144 | 50/3.5 | 4.0/15.1 | 7 | .28 |
| | | 4.0/15.1 | | |
| 1145 | 50/3.5 | 5.0/18.9 | 7 | .28 |
| | | 4.0/15.1 | | |
| 1155 | 50/3.5 | 5.0/15.1 | 7 | .28 |
| | | 5.0/15.1 | | |
| 1244 | 75/5.25 | 6.5/24.6 | 13 | .40 |
| | | 6.5/24.6 | | |
| 1245 | 75/5.25 | 7.5/28.4 | 13 | .40 |
| | | 6.5/24.6 | | |
| 1255 | 75/5.25 | 7.5/28.4 | 13 | .40 |
| | | 7.5/28.4 | | |
| 1264 | 60/4.2 | 12.0/45.4 | 13 | .40 |
| | | 8.0/30.3 | | |
| 1265 | 60/4.2 | 12.0/45.5 | 13 | .40 |
| | | 9.0/34.4 | | |
| 1344 | 75/5.25 | 14.0/53.0 | 25 | .59 |
| | | 14.0/53.0 | | |
| 1345 | 75/5.25 | 18.0/68.1 | 25 | .59 |
| | | 14.0/53.0 | | |
| 1355 | 75/5.25 | 18.0/68.1 | 25 | .59 |
| | | 18.0/68.1 | | |
| 1364 | 60/4.2 | 25.0/94.6 | 25 | .59 |
| | | 15.0/56.8 | | |
| 1365 | 60/4.2 | 25.0/94.6 | 25 | .59 |
| | | 19.0/71.9 | | |
| 1444 | 75/5.25 | 30.0/113.5 | 51 | .76 |
| | | 30.0/113.5 | | |
| 1445 | 75/5.25 | 30.0/124.9 | 51 | .76 |
| | | 33.0/113.5 | | |
| Series150D | | | | |
| 1455 | 75/5.25 | 33.0/124.9 | 51 | .76 |
| | | 33.0/124.9 | | |
| 1464 | 60/4.2 | 69.0/261.2 | 51 | .76 |
| | | 32.0/121.1 | | |
| 1465 | 60/4.2 | 69.0/262.2 | 51 | .76 |
| | | 24.0/132.8 | | |
| 1466 | 60/4.2 | 69.0/261.2 | 51 | .76 |

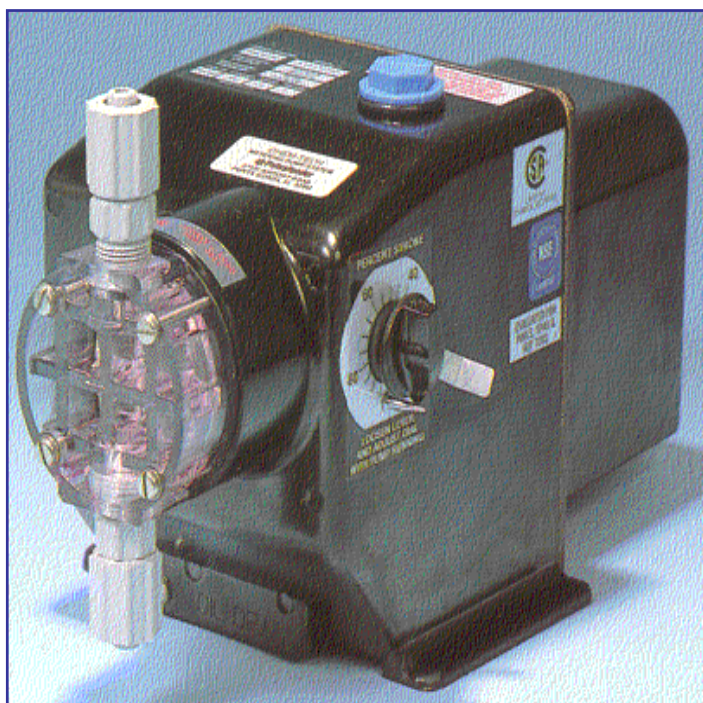
PULSAFEEDER CHEM-TECH SERIES 200 CHEMICAL METERING PUMPS

FEATURES

- **Versatility:** Range of models, offering feed rates from 10 gpd to 120 gpd, and operating pressures up to 150 psi
- **Durability:** Strong fibercore casing, and corrosion-resistant rubber and plastic solution handling components
- **Long Life:** Metal reinforced, short stroke diaphragm
- **Reliability:** Oil immersed gear train and heavy duty, fan-cooled motor with thermal overload protection

OPERATING ADVANTAGES

- Easy-to-read, adjustable dial
- All wetted components, including diaphragm, are completely interchangeable between all models
- Heavy-duty design allows for continuous operation



SPECIFICATIONS

- **Maximum Viscosity:** 300 Cp., consult factory or Chemical Resistance Guide for specific solutions, special components and accessories
- **Dimensions:** 7 3/4"H x 7 1/4"W x 15 1/4"D
- **Temperature Limitations:** 122°F/50° C max.
- **Electrical Requirements:** 1/20 HP, 115V/60 Hz; 230V/60Hz or 230V/50Hz

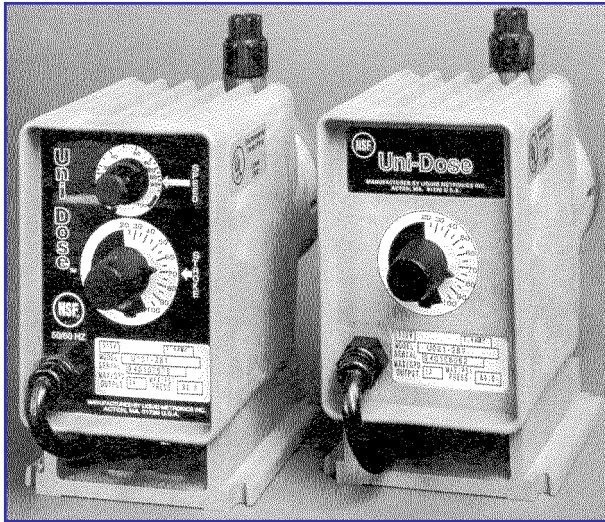
SPECIFICATIONS SERIES 200

| Model | Maximum Feed Rate* | | Max. Pressure (psi/kgcm ²) | AMPS 115V | Strokes Per Min. | Ship Weight (lbs.) |
|-----------|--------------------|-----|-------------------------------------------|--------------|---------------------|-----------------------|
| | gpd | Lpd | | | | |
| 200/210 | 10 | 37 | 150/10.5 | 1.7 | 22 | 17 |
| 200/215 | 15 | 56 | 150/10.5 | 1.7 | 22 | 17 |
| 200/220 | 20 | 75 | 150/10.5 | 1.7 | 44 | 17 |
| 200/230 | 30 | 113 | 125/8.5 | 1.7 | 44 | 17 |
| 200/240 | 40 | 151 | 125/8.5 | 1.7 | 88 | 17 |
| 200/260 | 60 | 227 | 125/8.5 | 1.7 | 88 | 17 |
| 200/280 | 80 | 302 | 100/7 | 1.7 | 88 | 17 |
| 200/2-100 | 100 | 378 | 100/7 | 1.7 | 88 | 17 |
| 200/2-120 | 120 | 454 | 80/5.5 | 1.7 | 88 | 17 |

*Nominal Feed Rate At Maximum Stroke Setting



CAT750.4



MODEL U1, ON LEFT, HAS DUAL MANUAL CONTROLS FOR ADJUSTING SPEED AND STROKE. MODEL U0, ON RIGHT, HAS SINGLE MANUAL CONTROL TO VARY STROKE. UNI-DOSE PUMPS ARE UL, SA, AND NSF

Uni-Dose™ by LMI

Versatile & Flexible: Available with single or dual output control for easy, accurate adjustment over the operating range. Turndown ratio up to 100:1 provides unmatched flexibility. Maximum output from 6 to 30 gallons per day at 80 psi.

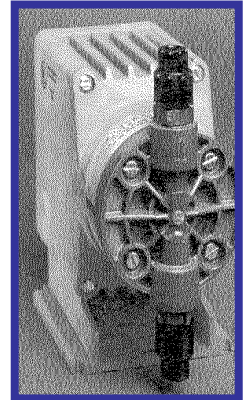
Quiet: Advanced noise reduction virtually silences the pump, making it ideal for household applications.

Reliable: Totally enclosed, chemically resistant housings provide superior protection in either indoor or outdoor installations. Solid-state electronics are fully encapsulated to ensure long life.

Superior solenoid design provides the power without the troublesome fans, open housings, motors and gears associated with motor driven pumps.

Safe: Inherent pressure relief stops the pump if the system backpressure exceeds the pump's strength. Thermostatic protection prevents damage from overheating. Priming valve provides safe and easy priming without having to disconnect tubing.

Advanced Valve Design: Each pump is equipped with four self cleaning Uni-Valves designed to maintain prime while eliminating the scaling and clogging associated with ball valves.



Standard Accessories: Each Uni-Dose pump comes complete with a priming valve, an injection check/backpressure valve, a foot valve and strainer, PVC suction tubing, UV resistant polyethylene discharge tubing and a suction tubing straightener. Heads and fittings are constructed of high strength PVC.

The **First** electronic metering pumps designed specifically for the water conditioning industry.

**UNI-DOSE STANDARD
PVC PUMP HEAD AND
FITTINGS**

Maximum Pressure: 80 psi (5.5 bar) all models

Dimensions: 4.1"x7.0"x7.75"

Shipping Weight: 7 pounds

Electrical Requirements:

Maximum 1.4 amps @ 120 VAC 1 Ø; also available as 120 VAC plus, 240 VAC US plug (not for export), 220-240 VAC DIN plug, 240-250VAC UK plug, 240-250 VAC AustNZ plug, or 220 VAC Swiss plug.



| Model | gph | | Lph | | Strokes per minute | | mL per stroke | |
|-------|-------|------|------|------|--------------------|-----|---------------|------|
| | Min | Max | Min | Max | Min | Max | Min | Max |
| U01 | 0.05 | 0.25 | 0.19 | 0.95 | fixed | 25 | 0.13 | 0.63 |
| U02 | 0.10 | 0.50 | 0.38 | 1.90 | fixed | 50 | 0.13 | 0.63 |
| U03 | 0.20 | 1.00 | 0.76 | 3.80 | fixed | 100 | 0.13 | 0.63 |
| U04 | 0.25 | 1.25 | 0.95 | 4.80 | fixed | 100 | 0.16 | 0.79 |
| U12 | 0.005 | 0.50 | 0.02 | 1.90 | 2.5 | 50 | 0.13 | 0.63 |
| U13 | 0.01 | 1.00 | 0.04 | 3.80 | 5.0 | 100 | 0.13 | 0.63 |
| U14 | 0.01 | 1.25 | 0.05 | 4.80 | 5.0 | 100 | 0.16 | 0.19 |

Note: Stroke length is adjustable. Minimum recommended adjustment is 20% of maximum stroke length.

Made in the USA!

102 Charbonnet Road ♦ Duson, Louisiana 70529 ♦ 337 988 2360 ♦ Fax 337 981 7922

wkinfo@waterking.com ♦ Revised 07/18/06

DELIVERING EXPERIENCE, QUALITY, AND SERVICE SINCE 1934

LMI SERIES A, B, & C

CHEMICAL METERING PUMPS

This series of pumps allows fully automatic operation and can be connected to a flow meter or other pacing devices.



**LMI SERIES A CHEMICAL
FEED PUMPS**

| LMI Series | Maximum Output | | Maximum Pressure | |
|------------|----------------|------|------------------|------|
| | gph | Lph | psi | Bars |
| A | 2.0 | 7.6 | 250 | 17.3 |
| B | 7.0 | 26.5 | 150 | 10.3 |
| C | 25.0 | 95.0 | 300 | 20.7 |

Water King offers a wide selection of LMI liquid handling assemblies with flexible tubing and pipe thread connections. Configurations for viscous chemicals and slurries provide total flexibility in all applications. Materials available are PVC, PVDF, Acrylic, UHMWPE, PGC, Polypropylene, and 316 SS.

FEATURES

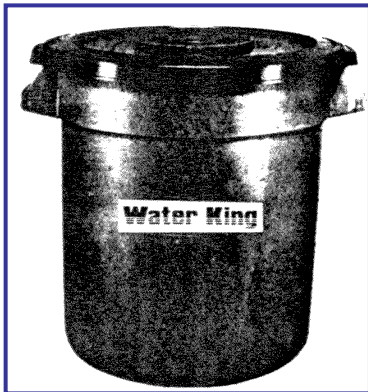
- Adjustable stroke frequency and the flexibility of up to 1000:1 turndown ratio
- Manually adjustable stroke length provides accurate pump output adjustment
- NEMA 4X / IP65 enclosures for protection against corrosive environments
- Time tested electronics for reliable, repeatable performance
- Totally encapsulated electronics for protection against moisture and corrosive conditions
- Priming valves with Fluorofilm™ diaphragms and ramp style knobs for "hands free" priming
- Rigid stroke bracket assembly for highly accurate and consistent dosing performance
- Advanced control options for simplified system integration (pulse multiply or divide, 4 – 20 mA, remote on/off)
- 5-level power control option to reduce system shock and extend the life of the pump
- External pacing for flow proportional applications



**LMI SERIES B & C
CHEMICAL FEED**

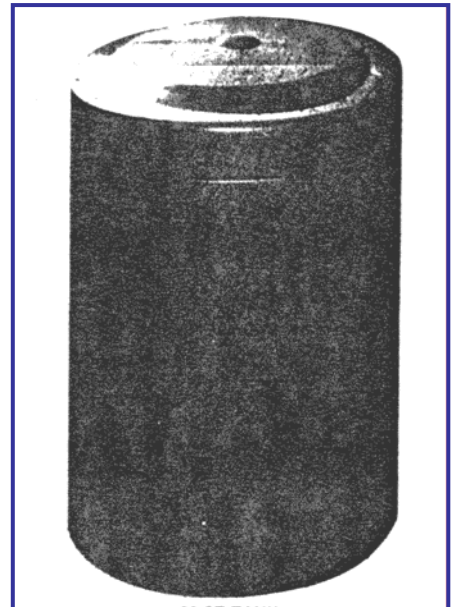
CHEMICAL SOLUTION TANKS

FEATURES



← 10 ST

The 10 ST solution tanks are manufactured with a tough, specially formulated resin that resists acids and chemicals. These tanks will withstand steam cleaning and sub-zero temperatures. They won't leak, dent or rust and, because of their seamless construction, are virtually leak proof. These 10 ST tanks are NSF listed and feature tight-fitting snap-on lids that lock odors in.

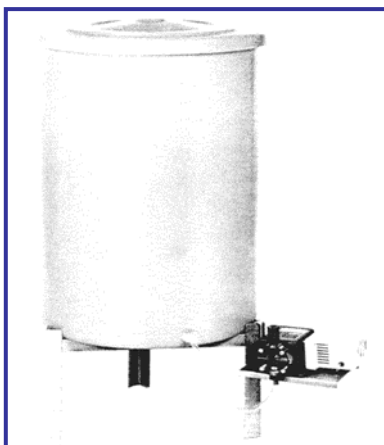


30 ST →

The 30 ST solution tanks are constructed of a carefully balanced blend of tough polyethylene and reinforcing asbestos mineral blue rock fiber. The mixture produces a chemically inert, temperature-resistant product with an extremely high tensile strength. It will not corrode under the most adverse conditions and affords its user a reliable yet inexpensive chemical container requiring virtually no maintenance.

| Part No | Description | Liquid Capacity (gal.) | Height with Cover (in.) | Floor Space Requirements | Shipping Weight (lbs.) | Color |
|---------|---------------------|------------------------|-------------------------|--------------------------|------------------------|-------|
| 720150 | 10 ST Solution Tank | 10 | 17 | 15¾" outside diameter | 4¼ | gray |
| 200352 | 30 ST Solution Tank | 30 | 30¼ | 18" outside diameter | 7½ | gray |
| 720020 | Tank and Stand | 30 | 43 | 28"W x 20"D | 30 | |

SOLUTION TANK & STAND



FEATURES

Tank is corrosion resistant polypropylene.

Stand is welded stainless steel angle iron.

Includes bulkhead for easy mounting of pump.

Ideal for any treatment problem where introduction of chemical solution into water lines is indicated.

Chemical feed pump not included in assembly.

Other sizes and types of tanks available on request.