

Wallace & Tiernan® Liquid Feed Systems Premia® 75 Solenoid Metering Pump Accessories

Tanks and Systems

Siemens Water Technologies offers a versatile array of high quality tanks, stands and systems to satisfy demanding applications.

Polyethylene 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.

TSF Systems

The solution tank and metering pump both mount on a common fitted base for precise, stable installation. A secure fitted lid allows easy replenishment while keeping the solution free of contaminants. Available in 15 gallon arrangements, each TSF System features a low level indicator for visual monitoring of supply without opening the tank.

Tank Systems

Systems are available with polyethylene tanks and stands. Stainless steel and rolled steel systems are also available. These rugged systems will accept a wide variety of mixers.

Optional Features

Systems may be custom engineered to satisfy specific applications or installation requirements, by including bulkhead fittings, basket strainers, shut off valves or many other quality accessories.

Mixers

Select the mounting system, horsepower, motor, impeller and options that satisfy your specific mixing requirements.

Mounts

Clamp Mount - one or two sturdy clamps secure the mixer on a tank side wall or other vertical surface. Provides four adjustable "bolt secured" positions for angle of insertion into tank. Bracket Mount - two

rugged steel brackets with four stainless steel bolts for mounting on a flat surface. Thread Mount - provides a two inch threaded nipple for direct mounting on the bung of a supply drum or other threaded connector. Flange Mount - a steel flange with four stainless steel bolts for mounting the mixer directly over the shaft hole.

Horsepower and Motor Types

Bracket Mount and Clamp Mount Mixers are available with the following standard motors: (Many other motors available on request). Open - 1/4, 1/3 and 1/2 horsepower motors are 1725 rpm, 115 volt, 60 cycle, split phase, sleeve bearing. 1 horsepower motors are 1725 rpm, 115/230 volt, 60 cycle, capacitor start, sleeve bearing. Totally Enclosed - 1/20 horsepower motors are 1500 rpm, 110 volt, 60 cycle, ball bearing, shaded pole, fan cooled. 1/4, 1/3, 1/2 and 1 horsepower motors are 1275 rpm, 115/230 volt, 60 cycle, automatic overload, ball bearing capacitor start, fan cooled. Explosion Proof - 1/4, 1/3 and 1/2 horsepower motors are 1725 rpm, 115 volt, 60 cycle, split phase, ball bearing, non-ventilated. 1 horsepower motors are 115/230 volt, 60 cycle, capacitor start, automatic overload, fan cooled.

Optional Features

- Suction Tube Shield Assembly. 1 " PVC Tube, 32" long (other sizes available on request). Prevents pump suction tubing from entangling with mixer blade.



Product Sheet

- 6" rubber covered 3 wire 18 gauge SJ cord and plug set factory wired.
- Special corrosion resistant coating when using Sodium Hypochlorite.
- Special corrosion resistant coating for stainless steel impeller and shaft. NOTE: Shafts can be cut down to specific lengths upon request.
- Long life composite TFE-faced diaphragm

Material Specification

Shaft materials: 316 Stainless Steel Standard shaft OD and length:

- 1/20 horsepower 5/16" x 28"
- 1/4 horsepower 1/2" x 34"
- 1/3 horsepower 1/2" x 36"
- 1/2 horsepower 1/2" x 36"
- 1 horsepower 5/8" x 44"

Shaft motor-coupling mounts: Brass with Stainless Steel set screws. All mounts are steel with corrosion resistant paint. All bolts are 18/8 Stainless Steel.

Impellers: Sizes vary with each horsepower motor to provide maximum mixing action with each model. The 316 Stainless Steel impeller is recommended for non-abrasive solutions that accept 316 Stainless Steel.

Liquid Level Controller and Alarm

The design of the Liquid Level Controller and Alarm allows the fiberglass control case to be mounted remote from the chemical supply. Wand level is adjustable and the reliable, solid-state pump controller and alarm features both power and low level indicators. This device is ideal for low level control of a metering pump on 35 or 55 gallon tanks.

Flow Meters

Series 10,000 Flowmeter with Contactor

- Specifically designed to control the metering of chemicals in direct proportion to the influent flow rate.
- Available with an extensive range of contactor (pulse) rates.
- Internal plastic components are impervious to most chemicals.
- Contactor and register are hermetically sealed for years of trouble free operation.

Flow Indicator

This flow indicator meets the revised NSF standard requirement for a visual signal to determine that a pump is delivering a solution.

The indicator is easily attached to the supply line or discharge line and a ball visually indicates that the solution is being delivered by its position in the indicator. The flow indicator is reliable, easily observed and virtually nonsusceptible to functional failures.

Flow Meter

These acrylic flowmeters are easy to instal. They are available in sizes 1" to 4" and calibrated in lpm and us gpm.

PM Kit® Packages

Kits that can save you time and money. When you need a part, you've got it! A PM Kit® packages can help you cut downtime and put you back in business fast. Use PM Kits® packages also for preventive maintenance, to ensure continuous high performance from your Premia® 75 metering pump.

Additional Accessories

Wall Mounting Bracket

This rugged stainless steel mounting bracket provides for easy, secure installation of the metering pump in a variety of environments.

Reed Capsule Switch

The reed capsule assembly enables one Premia® 75 metering pump to transmit stroke signals to another, causing a corresponding stroke of the receiving pump. While the stroking rate of the receiving pump is always the same as the transmitting pump, the pumps can be of different rated capacities, stroke length can be individually set and different chemicals can be pumped.

Pressure Relief Valve

Pressure relief valves protect against overpressurization, which may be caused by line blockage or excessive pumping pressures. PVC valves are available to handle up to 200 PSI and stainless steel valves are available for up to 800 PSI.

Anti-Syphon Valve Assembly

Easy to use anti-syphon valves are simply installed in the discharge line to protect against chemical being syphoned through the metering pump. Optional bleed valve available.

Corporation Stop

This high quality brass corporation stop and nozzle assembly disperses chemical into the center of a line for even mixing. The assembly also permits removal of the injection check valve without shutting down the line that's being treated.

Further information on Premia® 75 metering pumps can be found in product sheet WT.460.150.000.UA.PS.

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