

"W" Series

PUMP / CONTROL SYSTEMS

Specification WRTNWPCS

Written: October 2016



1.0 DESCRIPTION

1.1 PUMP / CONTROL SYSTEMS: Shall be manufactured by General Treatment Products, or approved equal and consist of a polyethylene pump shelf/backboard and come with wall mount bracket(s), poly backboard, pump manifold with isolation valves and suction Y strainer(s). All ordered equipment and accessories shall be mounted and tested by the factory before shipment. All equipment shall be programmed as specified by customer at time of order.

2.0 MATERIALS

2.1 POLY SHELF: Polyethylene shelf with spill containment shall be 1/4" thick polyethylene and have 3/16" polypropylene backboard. Shelf shall come complete with 1/2" welded drain plug, carrying handle(s) and galvanized wall mount bracket(s). Pump ordered will be mounted wet end facing left, dual pump systems will be mounted with wet ends facing outward, and will be mounted with stainless hardware. All ordered components and configurations shall be firmly mounted to back board with noncorrosive pipe clamps.

2.2 SYSTEM CONFIGURATIONS: Available pump systems configurations are:

- "WSP" Single Metering Pump System, 16" x 16" x 37" poly shelf, single suction and discharge manifold with single pump ports
- "WSC" Single Metering Pump/Controller System, 30" x 16" x 37" poly shelf, single suction and discharge manifold with single pump ports with controller and manifold
- "WDP" Dual Metering Pump System, 30" x 16" x 37" poly shelf, dual suction and discharge manifolds with dual pump ports
- "WRP" Redundant Metering Pump System, 30" x 16" x 37" poly shelf, single suction and discharge manifolds with dual pump ports

2.3a "B" PUMP MANIFOLD, BASIC: Basic pump manifold shall be constructed of Sch80 PVC with inlet/outlet isolation valves, suction line Y strainer, calibration chamber and isolation valve, suction / relief tubing connectors and pump injection port. Pump suction and discharge manifold shall be separate. Factory will connect all pump ports with factory supplied tubing.

2.3b "S" PUMP MANIFOLD, STANDARD: Standard pump manifold shall be constructed of Sch80 PVC with inlet/outlet isolation valves, suction line Y strainer, calibration chamber and isolation valve, back pressure and pressure relief valves, suction / relief tubing connectors and pump injection port. Pump suction and discharge manifold shall be separate. Factory will connect all pump ports with factory supplied tubing.

2.3c "P" PUMP MANIFOLD, PREMIUM: Premium pump manifold shall be constructed of Sch80 PVC with inlet/outlet isolation valves, suction line Y strainer, calibration chamber and isolation valve, back pressure and pressure relief valves, pulsation dampener, 200PSI pressure gauge and isolator, suction / relief tubing connectors and pump injection port. Pump suction and discharge manifold shall be separate. Factory will connect all pump ports with factory supplied tubing.

2.3d "L" PUMP MANIFOLD, PREMIUM LOW PRESSURE: Premium pump manifold shall be constructed of Sch80 PVC with inlet/outlet isolation valves, suction line Y strainer, calibration chamber and isolation valve, back pressure and pressure relief valves, pulsation dampener, 100PSI pressure gauge and isolator, suction / relief tubing connectors and pump injection port. Pump suction and discharge manifold shall be separate. Factory will connect all pump ports with factory supplied tubing.

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2.4 AUTO FILL: Auto fill feature will be plumb from the discharge manifold to the suction side of the calibration chamber. The feature is not available with the basic model manifolds.

- "N" No auto fill
- "Y" Auto Fill Connections (Standard on redundant pump systems)

2.5 TUBING/CALIBRATION OPTIONS: Options available:

- "2" 3/8" tubing connectors, 100ML calibration chamber
- "3" 3/8" tubing connections, 250ML calibration chamber
- "4" 3/8" tubing connections, 500ML calibration chamber
- "5" 1/2" tubing connections, 1000ML calibration chamber

2.6 MANIFOLD SEALS: Options available:

- "VE" PVC with EPDM seals
- "VC" PVC with FKM seals

2.3 PUMP(S)/CONTROLLER: Metering pump and controller shall be mounted to poly shelf and plumbed to back board when ordered. When specified, metering pump(s) and controller will be programmed to ensure easy start up. Options available: (Other pumps are available upon request)

- N** No Pump or controller
- ZB11** Metering Pump, 0.6GPH 150PSI, PVC/FKM
- ZB16** Metering Pump, 1.0GPH 105PSI, PVC/FKM
- ZB21** Metering Pump, 1.5GPH 60PSI, PVC/FKM
- ZB31** Metering Pump, 3.2GPH 30PSI, PVC/FKM
- WB11** Metering Pump, 0.6GPH 150PSI, PVC/FKM
- WB16** Metering Pump, 1.0GPH 105PSI, PVC/FKM
- WB21** Metering Pump, 1.4GPH 60PSI, PVC/FKM
- WB31** Metering Pump, 3.2GPH 30PSI, PVC/FKM
- C100** "W100" series conductivity controller with three relays and flow switch
- P100** "W100" series pH controller with three relays and flow switch
- C600** "W600" series conductivity touch screen controller with six relays and flow switch
- P600** "W600" series pH touch screen controller with six relays and flow switch

Note: Controllers only available with single pump option.

2.7 PRESSURE AND TEMPERATURE LIMITATIONS: Shall have maximum operating perimeters of 150PSI @ 85F.

3.0 WARRANTY

General Treatment Products Modular Chemical Feed Systems are guaranteed for two years from date of shipment against manufacturing defects in material and workmanship which develop in the service for which they are designed. We will repair or replace a defective part of this system when returned to our factory with freight prepaid; providing that the part is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments.

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