

# WALL MOUNT GLYCOL FEED SYSTEMS SYSTEM SPECIFICATIONS

WSS161005.B 03/18



## DESCRIPTION

1.0) **AUTOMATIC GLYCOL FEED PACKAGE:** Wall mount glycol feed systems shall consist of an aluminum frame with PVC backboard, NEMA 4X control panel, low level float switch, 1/4HP open motor bronze rotary vane pump with internal relief valve, pressure switch, relief valve, foot valve with screen, Schedule 80 PVC plumbing and vinyl braided hose.

## MATERIALS

2.0) **FRAME:** Aluminum channel with a 1/4" PVC backboard. Frame shall have four (4) mounting holes to allow for mounting the unit on the wall.

2.1) **SUCTION ASSEMBLY:** Suction assembly shall be constructed from PVC piping with a 2" MNPT threaded fitting for installation into a drum. The assembly shall also include a vertical polypropylene low level switch with a keyed circular connector, brass foot valve with screen, and a valved quick disconnect fitting. Suction assembly is sized for standard size drums. (Check size below.)

- 35 Gallon drum
- 55 Gallon drum

2.2) **PUMP:** Pump shall be close-coupled with internal pressure relief valve. Standard pump will be capable of 1.6 GPM @ 100 PSI. Pump motor is 1/4HP, 110/120 VAC, 1 phase, 60 hertz, open drip proof type and will be wired to control panel. (Options below.)

- 1/2 HP with an output of 3.6 GPM @ 100 PSI

2.3) **PRESSURE SWITCH:** Pressure switch shall be designed for pressures as indicated below. Pressure switch will be prewired to the control panel to turn the pump on and off based on rising and falling pressure settings. (Check one below.)

- Code 1 (10-45 PSI cut-in, 20-60 PSI cut-out, 10-30 PSI pressure differential)
- Code 2 (40-80 PSI cut-in, 65-100 PSI cut-out, 20-40 PSI pressure differential)
- Code 3 (3-10 PSI cut-in, 9-30 PSI cut-out, 6-20 PSI pressure differential)
- Code D\* (0-149 PSI cut-in, 1-150 PSI cut-out, 1-149 PSI pressure differential)
- Code X (no pressure switch)

*\*D Represents change Digital Glycol Feed System*

2.4) **CONTROL PANEL:** Polycarbonate NEMA 4X lockable control panel shall be of ample size for equipment needed and servicing of electrical components. All exterior components shall be rated NEMA 4X and installed per manufacturer's instructions. Wiring and wiring diagram shall be color-coded for easy trouble shooting. All internal wire shall be 16ga minimum. Controls are, but not limited to, main power switch and indicator light, pump hand/off/auto switch and indicator light and red low-level indicator light.

2.5) **PRESSURE RELIEF VALVE:** Pressure relief valve shall be Conbraco model 16-501-01, constructed of bronze with a nitrile diaphragm.

2.6) **OPTIONAL FEATURES:** (Check all that apply below.)

- AUDIBLE ALARM:** Audible alarm shall be 95 decibel @ 10ft with silence switch that will sound on low level, (Option B).
- LOW LEVEL DRY CONTACT:** Dry contact shall be SPST NO switch that is wired to level switch for control room signal, (Option C).
- EXPANSION TANK:** 4.5 gallon expansion tank with adjustable pressure reducing valve. Max. Pressure: 70 PSI (Option ET)

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- HIGH TEMP MANIFOLD: Carbon steel discharge manifold assembly with brass pressure relief valve and bronze check valve for applications with fluid temperature over 85° F (29° C) or ambient temperature over 95° F (35° C), (Option HTM).
- TEFC: Totally Enclosed Fan Cooled pump in place of the standard ODP pump, (Option TEFC).
- STAND: Stand to mount the Wall Mount Glycol if there is no wall to mount to, (Option WFS).

3.0) **WARRANTY:** Wingert Glycol Feed Systems are warranted against manufacturing defects in material and workmanship for one year from the date of shipment. Applications outside the service for which the product is designed will automatically void any warranty. J.L. Wingert Co. will repair or replace a defective unit when returned to the factory with transportation prepaid. Final determination will be made upon inspection. J.L. Wingert Co. assumes no liability for labor and/or other expenses in making repairs or adjustments. All replacements will be F.O.B. factory. There are no other implied or expressed warranties.

The pump is not manufactured by J.L. Wingert Co. and thus is warranted by the original manufacturer. Repair or replacement is contingent upon inspection and determination by the original manufacturer. Their findings are final and beyond our control.