

MTGL GLYCOL FEED SYSTEMS SYSTEM SPECIFICATIONS

WSS161007.A 03/23



DESCRIPTION

1.0) **AUTOMATIC GLYCOL FEED PACKAGE:** MTGL glycol feed systems shall consist of a tapered polyethylene tank, polyethylene lid, carbon steel frame, NEMA 4X control panel, low level proximity switch, 1/2HP open motor bronze rotary vane pump with internal relief valve, pressure switch, relief valve, check valve, Schedule 40 carbon steel piping, black iron fittings, iron pressure reducing valve, 2.1 gallon expansion tank, and EPDM hoses.

MATERIALS

- 2.0) **TANK AND FRAME:** Polyethylene tank shall be a tapered industrial grade.
Tank stand frame shall be constructed of carbon steel with bracing for plumbing and control panel. Tank frame shall have 12ga pump mount shelf and be coated with water based enamel paint.
- 2.1) **PUMP:** Pump shall be close-coupled with internal pressure relief valve. Standard pump will be capable of 3.6 GPM @ 100 PSI. Pump motor is 1/12HP, 110/120 VAC, 1 phase, 60 hertz, open drip proof type and will be wired to control panel.
- 2.2) **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.
- Code 1 (10-45 PSI cut-in, 20-60 PSI cut-out, 10-30 PSI pressure differential. Factory cut-in: 20PSI, cut-out: 60PSI)
- 2.3) **CONTROL PANEL:** Polycarbonate NEMA 4X lockable control panel shall be of ample size for equipment needs 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, red low-level indicator light, low-level audible alarm with silence switch, and low-level dry contact.
- 2.4) **PRESSURE RELIEF VALVE:** Pressure relief valve shall be adjustable, constructed of bronze with a nitrile diaphragm.
- 2.5) **CHECK VALVE:** Back flow check valve shall be a soft seat design. Bronze construction with stainless steel spring and raised radius valve seat for positive seal.
- 2.6) **LOW LEVEL SWITCH:** Capacitance proximity low level switch shall be interlocked with pump feed and low level indicator. Low level will stop all pump operations when level falls below the factory set point.
- 2.7) **PRESSURE REDUCING VALVE:** Pressure reducing valve shall be adjustable between 10-70 PSI and preset to 16 PSI.
- 2.8) **OPTIONAL FEATURES:** (Check all that apply below.)
- HINGED COVER:** Shoebox type lid shall be 1/3 the diameter hinged with 304 stainless steel piano hinge and 316 stainless steel rivets, (Option HN).
 - MIXER:** 1/20 HP TEFC stand mounted mixer with On-Off switch, (Option MXR).
 - TEFC:** Totally Enclosed Fan Cooled pump motor in place of the standard ODP pump, (Option TEFC).
 - OUTDOOR:** Outdoor rated system with a bolted down cover and TEFC pump, (Option OUTDOOR).

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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.