

# HIGH TEMPERATURE GLYCOL SYSTEM SPECIFICATIONS

Form #165002.C  
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## DESCRIPTION

1.0) **AUTOMATIC HIGH TEMP GLYCOL FEED PACKAGE:** Glycol Feed Package shall consist of a 10GA carbon steel tank, hinged carbon steel lid, carbon steel frame, NEMA 4X control panel, low level float switch, 1/3HP open motor bronze gear pump with internal relief valve, pressure switch, relief valve, check valve and threaded carbon steel plumbing.

## MATERIALS

2.0) **TANK AND FRAME:** Carbon steel tank shall be minimum 10GA with 1/3 hinged carbon steel lid. Tank frame shall be constructed of carbon steel with bracing for plumbing and control panel. Tank frame shall have 10-gauge pump mount shelf and be coated with epoxy paint.

2.1) **GEAR PUMP:** Gear pump shall be Teel brand, close coupled with internal pressure relief valve. Gear pump will be capable of 1.6GPM @ 100PSI. Pump motor is 1/3HP, 115/230V, 1 phase, 60 hertz, open drip proof type and will be wired to control panel.

2.2) **PRESSURE SWITCH:** Pressure switch shall be Square D brand series 9013, designed for pressures as indicated in table. Pressure switch will be prewired to control panel to turn on and off the gear pump based on rising and falling pressure settings. (check one)

- 1 (10-40 cut-in, 20-60 cut-out, 10-40 pressure differential)
- 2 (40-80 cut-in, 65-100 cut-out, 20-40 pressure differential)
- 3 (3-10 cut-in, 9-30 cut-out, 6-20 pressure differential)

2.3) **CONTROL PANEL:** Fiber filled polycarbonate NEMA 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 manufacturers instructions. Wiring and wiring diagram shall be color-coded for easy trouble shooting. All internal wire shall be 16-gauge 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.

2.4) **PRESSURE RELIEF VALVE:** Pressure relief valve shall be brass body and seat with a stainless steel spring.

2.5) **CHECK VALVE:** Check valve is constructed of brass with carbon steel seat and stainless spring.

2.6) **LOW LEVEL SWITCH:** Polypropylene 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) **OPTIONAL FEATURES:** (check all that apply)

- 1/2HP GEAR PUMP: Gear pump shall be Teel Brand, close coupled with internal pressure relief valve. Gear pump will be capable of 3.6GPM @ 100PSI. Pump motor is 1/2HP, 115/230V, 1 phase, 60 hertz, open drip proof type and will be wired to control panel.
- AUDIBLE ALARM: Audible alarm shall be 95 decibel @ 10FT with silence switch, which will sound on low level.
- DRY CONTACT: Dry contact shall be SPST NO switch, which is wired to level for control room signal.

3.0) **WARRANTY:** Wingert Glycol Feed Packages are guaranteed for one year from the 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 defective material when returned to our factory with transportation prepaid: providing that the material is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments. All replacements will be F.O.B. factory.