

# GTP "GRE" Series

## RESIDENTIAL GLYCOL PACKAGE

### Specification 01600014 Rev. A

Written: October 2010

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#### ✦ 1.0 DESCRIPTION

1.1 AUTOMATIC RESIDENTIAL GLYCOL FEED PACKAGE: Shall be manufactured by General Treatment Products, or approved equal and consist of a polyethylene tank, 4" threaded cover, low level float switch, motor driven gear pump, pressure switch, foot valve and strainer, status indicator lights, PVC plumbing and pressure indicator.

#### ✦ 2.0 MATERIALS

2.1 TANK AND FRAME: Polyethylene tank shall be industrial grade with a minimum wall thickness of .125" and come standard in 7.5 or 15 gallon models. Threaded and vented 4" man way. Optional tank wall mount bracket shall be constructed of carbon steel with oil based enamel coating. Pump mounts and plumbing assembly mounts to top of tank, hardware included. Tank comes complete with equipment cover with lockable hasp to prevent tampering.

2.2 PUMP: Glycol pump shall be Delrin gear type and come complete with suction valve and strainer assembly and be capable of a minimum 0.27 gallons per minute at 10PSI. Motor shall be 115 VAC, 1 Phase, 60 Hertz, totally enclosed type and be hard wired control circuit.

2.3 PRESSURE SWITCH: Pressure switch and control circuit shall be designed for pressures from 6 to 30PSI and be adjustable with easy to use adjustment knob that requires no tools. Pressure switch shall turn on pump on falling pressure and turn off pump on rising pressure. Standard pressure range is Code 4, 6-30 cut-in and have a non-adjustable 2-6 pressure differential

2.4 CONTROLS and INDICATOR LIGHTS: All wiring shall be of ample gauge for supply voltage and amp draw. Controls shall be, but not limited to, pressure control switch, float switch, control relay, green power indicator and red low level indicator. All indicator lights shall be LED and designed for continuous use.

2.5 FOOT VALVE AND STRAINER: Foot valve shall be integral check type with cracking pressure of less than 1 PSI. Strainer mesh shall be less than 20 Mesh.

2.6 LOW LEVEL SWITCH: Polypropylene low level switch with PVC fitting shall be interlocked with 5 AMP relay and stop glycol feed pump when liquid reaches factory set level. Low level circuit will then turn on RED LED indicator light and initiate 115 VAC 5 amp circuit.

2.7 OPTIONAL FEATURES: Select from the following.

- Code "MNT" Carbon steel wall mounting bracket (factory recommended)
- Code "AL" 95 decibel audible alarm
- Code "DC" Remote dry contact on low level

✦ 3.0 WARRANTY: General Treatment Products Gly-Pack 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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✦ 4.0 DRAWING, DIMENSIONS & WEIGHTS: Model shown in drawing is GRE07-E6-4/MNT. Dimensions are +/- 1/8". Weights are approximate and include optional mounting bracket. (See pricing for details)

KEY	GRE07-E6-4/MNT	GRE15-E6-4/MNT
A	17 1/4"	27 1/4"
B	14 1/2"	14 1/2"
C	18"	18"
D	16"	16"
E	6 3/8"	6 3/8"
F	6"	16"
WEIGHT	66 LBS.	84 LBS.

Weights listed include mounting bracket.

