

# Industrial Glycol Feeder Operations & Maintenance Manual



This "QUICK START" manual is supplied as a guideline for installation; please visit [www.gtpcompany.com](http://www.gtpcompany.com) for complete instruction manual, assembly drawings and installation drawings.

## GENERAL INFORMATION

MODEL:					SERIAL:		
GALLONS:	<input type="checkbox"/> 15	<input type="checkbox"/> 30	<input type="checkbox"/> 55	<input type="checkbox"/> 100	<input type="checkbox"/>		
STYLE:	<input type="checkbox"/> GP	<input type="checkbox"/> GX	<input type="checkbox"/> GDW	<input type="checkbox"/> DGP			
PUMP:	<input type="checkbox"/> 1/3HP (1.3GPM)		<input type="checkbox"/> 1/2HP (3.0GPM)				
ACCESSORIES:	<input type="checkbox"/> Duplex Pumps		<input type="checkbox"/> High Temp Manifold		<input type="checkbox"/> Alarm/Silence Switch		
	<input type="checkbox"/> Dry Contact		<input type="checkbox"/> Digital Controller		<input type="checkbox"/> High Level		
	<input type="checkbox"/> "EMS05" Contacts		<input type="checkbox"/> Tank Stand Mount Mixer		<input type="checkbox"/> UV Tank and Cover		
	<input type="checkbox"/> High Temp Tank		<input type="checkbox"/> Motor/Starter Controls		<input type="checkbox"/>		

### \*\*\* WARNING – BEFORE YOU GET STARTED \*\*\*

- 1) All fasteners & fittings should be inspected and secured before operation as they may be loosened in transit
- 2) Personnel safety practices should apply at all times
- 3) Safety glasses or face shields and gloves should be worn
- 4) Do not service glycol feed package without disconnecting power
- 5) Close isolation valve and release pressure before servicing any components on the system
- 6) All liquids in system should be drained before servicing

**2.0 WARRANTY:** General Treatment Products Gly-Pack Feed Systems are guaranteed for two years from date of shipment against manufacturing defects in material and workmanship that 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.

**3.0 UNPACKING:** Upon receipt of order, inspect package thoroughly. In the event there was damage incurred in transit you must notify the freight company within 3-5 days of receipt of order. Once system is inspected for damage and received in good condition, and store indoors in safe place until installing. Damaged incurred before installation is not covered under warranty.

**4.0 LOCATION AND ENVIRONMENT:** Although the control panel is rated for outdoor use the gear pump, pressure switch and power cord should not be exposed to direct elements. In the event there is no dry indoor location that is convenient to install the glycol feed system a shelter, awning or shed needs to be installed to validate warranty.

**5.0 INSTALLATION:** Once location is decided on, system need to be securely mounted to concrete base. **Be sure that mounting pad and anchoring bolts comply with local building codes.**

Glycol feed packages come standard with an 8FT power cord. Power supply with no less than 15 amps should be within 8FT of glycol feed package. **Extension cords should not be used at anytime.** Systems can be hardwired, if need. Have only an experienced electrician hardwire system. Wiring diagrams are provided in section 9.0.

**5.1 CONNECTING TO THE SYSTEM:** Glycol feed package should be installed within 10 to 30 feet of system. If system is to close, it is difficult to set low pressure systems. If system is to far, pump outputs will very based on pipe size, elbows and other fittings.

Glycol feed package is supplied with ½" isolation valve and should be connected to system using a minimum pipe size of ½". **DO NOT INSTALL CHECK VALVES OR PRESSURE REDUCING VALVES BETWEEN GLYCOL FEED PACKAGE AND SYSTEM.** The installation of check valve or pressure reducing valves will cause problems with reading system pressure accurately.

**5.2 SETTING THE PRESSURE SWITCH:** GTP Glycol Feed Packages, when specified, can be factory pre-set to your system requirements. When requested, your factory settings will be listed on label on back of instruction manual and on packing slip. See complete manual for step by step procedure on setting the pressure switch.

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**6.0 PRESSURE AND TEMPERATURE LIMITATIONS:** Industrial Glycol Feeders maximum operating perimeters are 150PSI @ 85F. High Temp designated glycol feeders have a maximum rating of 150PSI @ 150F. Some optional fittings, as noted in descriptions, may change limitations, contact factory for assistance.

MATERIAL	MAXIMUM SHORT TERM TEMPERATURE	MAXIMUM OPERATING TEMPERATURE	MAXIMUM OPERATING PRESSURE
Polyethylene (PE)	160°F/69°C	85°F/36°C	N/A
Polyvinylchloride (PVC)	140°F/60°C	85°F/36°C	100PSI/6.9BAR
Chlorinated Polyvinylchloride (CPVC)	180°F/77°C	120°F/49°C	100PSI/6.9BAR
Polypropylene (PP)	180°F/77°C	100°F/49°C	100PSI/6.9BAR
Carbon Steel (CS)	200°F/93°C	200°F/93°C	150PSI/10.3BAR
Cast Iron (CI)	200°F/93°C	200°F/93°C	150PSI/10.3BAR
Brass (BR)	200°F/93°C	200°F/93°C	150PSI/10.3BAR
Stainless Steel (SS)	200°F/93°C	200°F/93°C	150PSI/10.3BAR

Note: Minimum Fluid Temperature is 50°F/10°C.

**7.0 ROUTINE MAINTENANCE:** Routine maintenance in this section is referred to as checking a system once a month until a maintenance schedule can be determined. **All fasteners should be check for proper operations.** Maintenance and care will depend upon the usage and environment in which the glycol feed package is subject to. The following is the suggested regular maintenance checks required to keep the glycol feed system operating properly.

**8.0 PARTS LISTING:** Contact factory for replacement parts

**9.0 WIRING:** Visit [www.gtpcompany.com](http://www.gtpcompany.com) for complete wiring diagrams.

## 10.0 TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE / ACTION
Low flow rate	Piping / equipment is dirty or fouled
	Discharge is restricted or undersized
	Gears are worn
Pump runs, but no fluid	Suction piping is restricted or plugged
	Pump suction valve is closed
	Pump is rotating in the wrong direction
Pressure is low	Line is restricted
	Gears are worn
Excessive noise while pump is in operation	Pump head and gear may be misaligned
	Pump mounting hardware is loose
	System pressure is excessive
Pump does not shut off at low level	Float switch is faulty, defective or damaged
	Low level relay is faulty, defective or damaged
System does not relieve pressure properly	Wiring is incorrect or shorted
	Pressure relief valve is clogged
Pump cycles on and off repetitively	Pressure relief valve is set improperly
	Piping leak on discharge side
	Pressure settings are not adequate for system size pressure

If you are still having trouble, contact us at [technical@gtpcompany.com](mailto:technical@gtpcompany.com), or you can call us at the number on the front of the Instruction manual.

**Manufacturing:** Bypass & Filter Feeders, Glycol Feed Packages, Separators & Separator Systems, Tanks, Tank Stands, Chemical Batch Mixers, Corrosion Coupon Racks, Packaged Feed Systems and Custom Systems

P.O. Box 8697, Brea, CA 92822-5697 ♦ Phone: 714) 257-9165

113 Viking Ave., Brea, CA 92821 ♦ Fax: 714) 257-9215

[www.gtpcompany.com](http://www.gtpcompany.com) ♦ [customerservice@gtpcompany.com](mailto:customerservice@gtpcompany.com)

**General Treatment Products Inc., Brea, CA 92821**

O&M Manual INSTGLYINDQS Rev. 0115, Page 2 of 2