



## **Chemical Feed Packages Operations & Maintenance Manual**



**Record Your Model, Serial Number and  
Other Information on the back of this document.**

**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

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**\*\*\* 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

**1.0 INTRODUCTION** Thank you for choosing General Treatment Products Industrial Chemical Feed Package. This industrial, automated package comes complete and ready to install. GTP Chemical Feed Packages come in many configurations. In this instruction, we will go over the basics and supplement our instructions with factory instructions for some accessories. In this document we explain the basics for locating, installing, adjusting and operating this chemical feed system. For further information, please contact us at [customerservice@gtpcompany.com](mailto:customerservice@gtpcompany.com) or call us at the phone number on the cover.

**2.0 WARRANTY** General Treatment Products Chemical Feed Packages 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.

**3.1 PRODUCT/ORDER VERIFICATION** GTP Chemical Feed Packages are diverse, with so many pieces and options, please contact the factory if you believe you have got the wrong product.

**4.0 LOCATION AND ENVIRONMENT** Although the control panel and most accessory items are rated for outdoor use some optional items 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, the system needs to be securely mounted to concrete base. **Be sure that mounting pad and anchoring bolts comply with local building codes.** Some chemical feed packages come standard with an 8FT power cord. Power supply with no less than 15 amps should be within 8FT of chemical feed package. **Extension cords should not be used at any time.** Systems can be hardwired, if needed. Have only an experienced electrician hard wire system. Wiring diagrams are provided in section 9.0.

**5.1 CONNECTING TO THE SYSTEM** Chemical feed package should be installed within 10 to 30 feet of system. Connection to the system will depend on accessory items purchased. Please see manufacturer owner's manual for details.

**5.2 OPTIONAL CONTROL PANEL "C1"** The optional C1 control panel is designed to turn on and off optional equipment like motors, valves, etc. Most optional equipment has its own controls and may serve you purpose better. Please consult factory if you have questions.

C1 control panel is supplied with a main power switch and one H/O/A switch for each optionally ordered item. The H/O/A (hand off/auto) switch will supply control voltage to the optional equipment and has an external switch closure for interface with control equipment.

NOTE: The external signal is continued switch voltage from control panel power. Closing (jumping) legs 6 & 7 from wiring diagram to follow with turn on voltage to the equipment. Opening legs 6 & 7 will turn it off. Contact the factory for help.

**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.

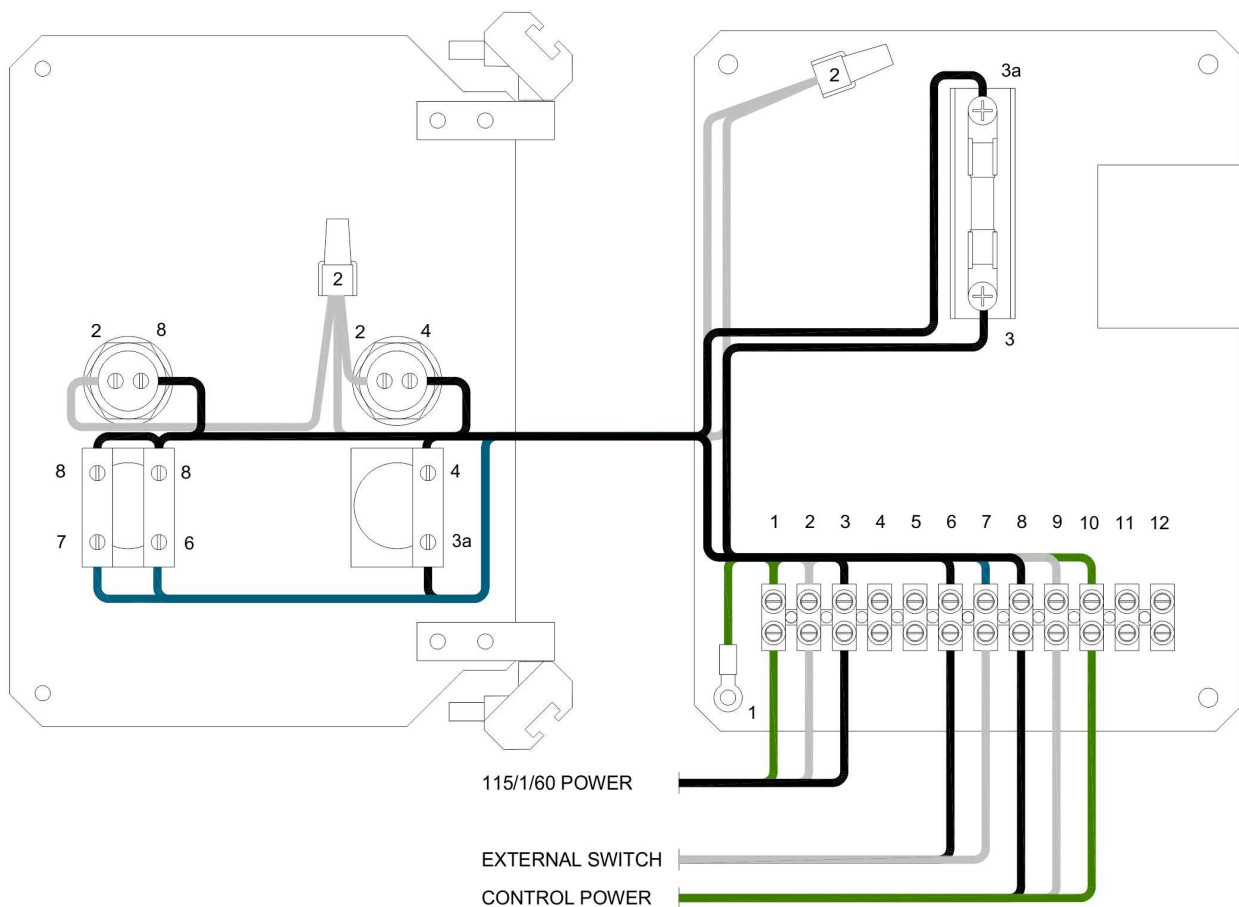
**7.0 ROUTINE MAINTENANCE** Routine maintenance in this section is referred to as checking a system once a month until a maintenance schedule can be determined. **All fasteners should be check for proper operations.** Maintenance and care will depend upon the usage and environment in which the chemical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

**7.1 TANK AND PLUMBING** Periodically check piping, hoses and tank fittings for leaks. Y-strainers and check valves need to be free from debris. Tank should be checked for signs of bulging and cracking.

**7.2 ACCESSORIES** The accessory items order with the chemical feed package need to be services as mentioned in the manufacturers hand book. Please contact if you have questions.

**8.0 PARTS LISTING** There is really no parts listing for these customizable items. Please make note of your models number / serial numbers and consult factory when needed.

**9.0 WIRING** The following wiring diagram is for a standard "C1" Control panel. Some control panels may differ depending on items purchased. Please contact factory for help. Please refer to the manufacturers instructions manual for wiring accessory items.



**10.0 TROUBLE SHOOTING** 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.

#### 11.0 NOTES

#### 12.0 PRODUCT LABEL

**Model:**

**Serial Number:**