This “QUICK START” manual is supplied as a guideline for installation; please visit www.gtpcompany.com for complete instruction manual, assembly drawings and installation diagrams.

### GENERAL INFORMATION

**MODEL:**
- Gallons: □ 1 □ 2 □ 3 □ 5 □ 10 □ 15
- Style: □ Flat Bottom □ Dome Bottom
- Cap/Fill: □ Standard Cap □ Quick Closure □ High Pressure w/ funnel □ Other
- Fittings: □ 3/4”NPT □ 1”NPT □ Other
- Accessories: □ Pleated Filter □ Sock Filter □ Valve Package □ Hose Kit □ PE Fill Funnel □ Pressure Gauge □ Mounting Tabs □ Wall Mount Straps □ Air Release □ Epoxy Coating □ Sight Flow Indicator

1) All fasteners & fittings should be inspected and secured before operation as they may be loosened in transit
2) Personnel safety practices should always apply
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 Bypass / Filter Feeders. In this document, we explain the basics for locating, installing and operating your bypass / filter feeder. For further information, please visit www.gtpcompany.com or contact customer service.

2.0 WARRANTY
General Treatment Products Bypass / Filter Feeders are guaranteed for two years from the 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 feeder is inspected for damage and received in good condition, store indoors until installing.

4.0 LOCATION AND ENVIRONMENT
Although there are no power requirements, bypass/filter feeders should not be exposed to direct elements. In the case there is no dry location that is convenient to install the bypass/filter feeder, a shelter, awning or shed should be installed to extend product life and validate warranty.

5.0 INSTALLATION
Once location is decided on, bypass/filter feeder needs to be securely mounted. Be sure that flat bottom feeders are strapped to secure surface and dome bottom feeders (with legs included) are secured with local building codes. In accordance, outlet piping should be supported within 12 inches of feeder. System vibrations should be minimal.

5.1 CONNECTING TO THE SYSTEM
Feeder bypass flow rate (In GPM) shall not exceed volume of feeder (In Gallons). Flow rates in excess of feeder volume, (one-gallon feeder flow rate should be 1GPM) dramatically reduces feeder and filter life. Flow control valves should be installed on discharge side of feeder. All GTP feeder pressure and temperature limitations are designated on product label. Be sure the feeder meets or exceeds your systems requirements. GTP suggests the installation of air release valve, if not already supplied.

5.1a PLUMBING DIRECTION (Standard feeders and Pleated Filter Feeders)
“FB” Flat bottom feeders come standard with 2 fittings. Lower side fitting is the inlet and the upper neck fitting is the discharge. “DB” Dome bottom feeders come standard with 3 fittings. Lower side fitting is the outlet, upper neck fittings are the inlet and the bottom dome fitting is for the drain.

5.1b PLUMBING DIRECTION (Sock Filter Feeders)
“FB” Flat bottom feeders come standard with 2 fittings. Lower side fitting is the outlet and the upper neck fitting is the inlet. “DB” Dome bottom feeders come standard with 3 fittings. Lower side fitting is the outlet, upper neck fittings are the discharge and the bottom dome fitting is for the drain.

5.2a LID REMOVAL/INSTALLATION (Standard Victaulic or Bolted Closure)
1) Close feeder isolation valves and relieve pressure from feeder with valve in lid
2) Loosen bolts and remove bolts (15/16” wrench) and remove half couplings
3) Loosen and remove gasket/end cap and filter (if any) and fill feeder to top, leaving no air gap.
4) When reassembling, it is easiest to put gasket on end cap before placing on neck of feeder.
5) Add half couplings, align with groove on neck and pinch together by hand. Be sure not to pinch gasket in coupling as tightened.
6) Add bolts and tighten till snug. Close pressure relief valve and slowly open isolation valves. Victaulic Caps will rise and seat, once pressure is applied.

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5.2b LID REMOVAL/INSTALLATION ("QC“ Quick Closure)
1) Close feeder isolation valves, relieve pressure from feeder and remove filter (if any)
2) Quarter turn closure and inspect O-ring for wear and proper alignment in pressure plate groove.
3) Fill feeder to top to ensure no air gap.
4) Fit lid and three prong tabs to neck ring grooves. Press lid down and turn until tight. **Note: If lid does not fit, contact factory for assistance. DO NOT HIT WITH HAMMER OR MALLET TO CLOSURE**

5.2c HP FILL/INSTALLATION (Fill Funnel and Valve)
1) Close feeder isolation valves and relieve pressure from feeder.
2) Open fill valve under fill funnel and fill feeder to top, being sure to remove all air.
3) Close fill valve and return isolation valves to open position.

5.3 PLEATED FILTER INSTALLATION / INSPECTION
1) Isolate feeder and release pressure from feeder. Remove lid assembly and remove pleated filter assembly.
2) Rinse pleated filter assembly and inspect for damage.
3) Place filter assembly through neck opening in feeder and reinstall lid.

5.4 SOCK FILTER INSTALLATION / INSPECTION
1) Isolate feeder and release pressure from feeder. Remove lid assembly and remove sock filter assembly.
2) Rinse sock filter assembly and inspect for damage and rinse filter.
3) Collapse sock filter and insert through handle assembly until Ring is just above retaining plate
4) Reinsert sock filter assembly into feeder opening.
5) Reinstall feeder closure and resume flow. Flow will expand filter sock to perforated basket.

6.0 PRESSURE AND TEMPERATURE LIMITATIONS
Standard Bypass Feeders maximum operating perimeters are 300PSI @ 200F. Some optional fittings may change limitations, contact factory for assistance.

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

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

7.0 ROUTINE MAINTENANCE Routine maintenance in this section is referred to as checking a feeder once a month until a maintenance schedule can be determined, filter models may need frequent cleaning on start-up of new closed loop systems. All fasteners should be checked for proper operation. Maintenance and care will depend upon the usage and environment in which the feeder is subject to.

8.0 PARTS LISTING The following tables itemize parts that may be replaced in the field. If further breakdown is needed, consult manufacturer’s operations manual or call us for assistance.

9.0 TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE / ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low flow rate</td>
<td>Filters or strainers are dirty or fouled</td>
</tr>
<tr>
<td></td>
<td>Discharge piping is restricted or undersized</td>
</tr>
<tr>
<td></td>
<td>Inlet piping is restricted or undersized</td>
</tr>
<tr>
<td>Lid is leaking</td>
<td>Closure is not aligned properly</td>
</tr>
<tr>
<td></td>
<td>Hardware is not tight</td>
</tr>
<tr>
<td></td>
<td>Gasket is fouled or needs to be replaced</td>
</tr>
<tr>
<td>Body is leaking</td>
<td>Chemical attack, consult factory</td>
</tr>
<tr>
<td></td>
<td>Damaged in shipment, consult factory</td>
</tr>
</tbody>
</table>

If you are still having trouble, contact us at repairs@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 customerservice@gtpcompany.com

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