



Bromine Feeder 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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O&M Manual INSTBRM Rev. 0114, Page 1 of 4

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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) Close isolation valve and release pressure before servicing any components on the system
- 5) All liquids in system should be drained before servicing

1.0 INTRODUCTION

Thank you for choosing **General Treatment Products Bromine Feeders**. In this document we explain the basics for locating, installing, adjusting and operating bypass/ filter and bromine feeders. For further information, please contact us at customerservice@gtpcompany.com or call us at the phone number on the cover.

2.0 WARRANTY

General Treatment Products Bromine Feeder are guaranteed for one year 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 feeder is inspected for damage and received in good condition, store indoors until installing.

3.1 ORDER VERIFICATION

In order to verify receipt of correct product, use the following table and model number to identify the contents.

Bromine Model Numbering	
BR	15 -CLR/VPBR
Options	
-HP	High Pressure Bolted Closure
-VPBR	Valve Package for flat bottom feeders
-ARP	1/4" PVC air release package
-FCXXP	PVC Flow Control Valve (XX = Flow Rate GPM)
-FI 10	Flow Indicator, 0-10 GPM
-TS80M	80 Mesh Polypropylene T-Strainer
Capacity	
20	20# Feeder Body with Filters (8" Body)
40	40# Feeder Body with Filters (8" Body)
60	60# Feeder Body with Filters (8" Body)
80	80# Feeder Body with Filters (8" Body)
Base Model	
BR	Bromine Feeder

4.0 LOCATION AND ENVIRONMENT

Although there is no power requirements, bromine feeders should not be exposed to direct elements. In the case there is no dry location that is convenient to install the bromine feeder. A shelter, awning or shed should to be installed to extend product life.

5.0 INSTALLATION

Once location is decided on, bromine feeder needs to be securely mounted. **Be sure that feeders are strapped to secure surface and comply 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

Bromine Feeder 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 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.

Assembly and installation drawings are available, visit us at www.gtpcompany.com or contact the factory for assistance.

5.2 LID REMOVAL/INSTALLATION (Bromine Feeder)

- 1) Inspect O-ring for wear and proper alignment in groove on bottom of feeder lid.
- 2) Inspect sealing edge of bromine body, be sure that it is free from defects. A smooth surface will ensure lid seal.
- 3) Screw lid down and turn until tight. Bromine lid seals at O-ring not at the threads. **Do Not Over Tighten!**

6.0 PRESSURE AND TEMPERATURE LIMITATIONS: Bromine Feeders maximum operating perimeters are 100PSI @ 85F. 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	120°F/49°C	100PSI/6.9BAR
Teflon (PTFE)	200°F/93°C	200°F/93°C	N/A
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 feeder once a month until a maintenance schedule can be determined. **All fasteners should be check for proper alignment & operations.** 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.

Part	Description	Feeder Model
BC4.0	Bromine feeder, PVC Machined closure	BR15, BR25
0160033	Bromine feeder replacement O-Ring	
BC8.0	Bromine feeder lid, 8" body feeders	BR20, BR40
BHNG10	10" internal hanger assembly	BR20
BHNG20	20" internal hanger assembly	BR40
RPF20	20 micron pleated filter, 9 3/4" L	BR20
RPF20-20	20 micron pleated filter, 20" L	BR40
BRU150	1 1/2" bromine feeder union fittings	BR20, BR40
ARP	PVC air release valve	All Models
VPFB	Valve package, flat bottom feeders	

Note: Contact customer service for replacement parts not listed above.

9.0 TROUBLE SHOOTING

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

If you are still having trouble, contact us at repairs@gtppcompany.com, or you can call us at the number on the front of the Instruction manual.

10.0 PRODUCT LABEL

Model:

Serial Number:
