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MANUFACTURING: Mixers, Bypass Feeders, Filter Feeders, Bromine Feeders, Sample Coolers, Sludge Traps, Separators, Separator Systems, Tank Stands,  
Tank Package Systems, Glycol Feed Systems, Coupon Racks, Control Stations, NEMA Enclosures, Custom Packaged Systems and Specialty Welding

Instruction Sheet #0321 Rev. "E" (3/01)

## FILTER FEEDER INSTRUCTION SHEET

The use of a Wingert Filter Feeder is a reliable and economical method of introducing chemical into your process stream. Feeders are available in 2, 5 and 12 gallon standard sizes. Custom configurations are available.

### Wingert Filter Feeders come in two standard models:

**F-[ JHD]:** Flat bottom filter feeder with 3/4" FNPT inlet and outlet fittings located on the side wall and a 3 1/2" 1/4 turn quick closure. Flat bottom feeders are rated at 200 PSI, 200° F.

**F-DB-[ JHD]:** Dome bottom model comes complete including all that the HD series model has, plus it has (3) mounting legs and (1) 3/4" FNPT drain located at the bottom dome. Dome bottom feeders are rated at 200 PSI, 200° F.

### UNPACKING:

Your Wingert Filter Feeder is packaged in a carton with staples to insure proper handling. Remove staples and open carton. Inspect goods for any damages.

*NOTE: If damages have occurred from shipment or product contents are missing, please contact the factory immediately.*

### INSTALLATION:

The Wingert Filter Feeder may be installed in various applications, below are two of the most common.

#### Method #1: Installation on the discharge side of the recirculation pump (As shown in FIGURE 1)

- 1) The feeder must be mounted in the upright position with the 3 1/2" 1/4 turn closure on the top. The feeder may also be wall mounted if necessary.
- 2) From the discharge side of the recirculation pump, plumb a line directly into the upper fitting (A) on the side wall of the feeder.
- 3) The discharge fitting (B) of the feeder is the lowest 3/4" FNPT fitting on the feeder side wall. This should be plumbed to the suction side of the recirculation pump.
- 4) Chemical dispersion is created by throttling the flow rate between the inlet and outlet valves (A & B).

#### Method #2: Installation in a recirculation line with throttle valve (As shown in FIGURE 2)

- 1) The feeder must be mounted in the upright position with the 3 1/2" 1/4 turn closure on the top. The feeder may also be wall mounted if necessary.
- 2) Install the inlet line from the process stream to the top fitting (A) of the feeder and the outlet line from the bottom fitting (B) on the side wall of the feeder back to the process stream.
- 3) Install a throttling gate or ball valve in the process stream between the inlet and discharge connection to the process stream. By restricting the flow through the process stream, this will create a flow pattern through the bypass feeder.

### BAG REPLACEMENT, CLEANING AND FILLING INSTRUCTIONS:

As shown in both FIGURES 1 & 2, the filter feeder is isolated by ball valves. This must be done in order to fill the filter feeder with your system chemical. If this is not done, **DO NOT** open the feeder, as internal pressure will force the process stream through the fill port.

- 1) Close valves (A & B).
- 2) Release system pressure by opening drain valve (C) and drain contents of feeder.
- 3) Open feeder, remove basket and bag assembly to replace or clean filter.
- 4) Close drain valve (C), replace basket and bag assembly, and refill with chemical or water.
- 5) Close feeder lid and open isolation valves (A & B) to dispense your chemical.

The filter feeder should never take full process stream. System chemical would disperse instantaneously. The listed methods are best suited for slow feed of process chemical. Wingert Filter Feeders may be ordered with a variety of options and accessories, such as air release valves, sight flow indicators, funnels and much more. Please contact the factory for assistance with your installation or specifications of options and valve packages.

