

FILTER FEEDER SPECIFICATIONS

Form #035002.C

August 2004



DESCRIPTION:

1.0) **CHEMICAL FILTER FEEDER:** Shall consist of continuous electric welded tube body, code semi-elliptical heads, sealed filter chamber, filter, filter support device and inlet/outlet/drain and fill port. Filter Feeder will be installed as per manufacturer's recommended installations and be completed with valve package and noted accessories below. Filter feeder is rated for 200PSI @ 200° F.

MATERIALS:

2.0) **SHELL:** Body of Filter Feeder shall be A513 tube and be a minimum of .104" thick for 6" diameter feeders and .134" for 10" diameter feeders.

2.1) **HEADS:** Tank heads shall be 2:1 semi-elliptical ASME code type SA-414G and a minimum of .105" thick for 6" diameter feeders and .104" thick for 10" diameter feeders.

2.2) **STYLE:** (check one)

- FLAT BOTTOM:** Feeder shall have side inlet and outlet 3/4" Phoenix #384 flange fittings with 3 1/2" 1/4 turn heavy duty cast closure.
- DOME BOTTOM:** Feeder shall have side inlet and outlet 3/4" Phoenix #384 flanges fitting with 3 1/2" 1/4 turn heavy duty cast closure, bottom drain 3/4" Phoenix #384 flange fitting and three (3) welded carbon steel legs.

2.2) **FILTER MEDIA:** (check one)

- FILTER SOCK:** Filter feeder shall be supplied with 25 micron napped polypropylene re-usable filter sock, with sewn in retaining ring and removal handle, stainless steel perforated filter basket with ring flange and stainless steel removal handle so that personnel shall not come in contact with vessel contents.
- PLEATED FILTER:** Filter feeder shall be supplied with 20 micron high temperature re-usable pleated filter, stainless steel holder and stainless steel removal handle so that personnel shall not come in contact with vessel contents.

2.4) **VALVE PACKAGES:** Shall be supplied complete with installation valve package as recommended by manufacturer: (check one)

- FLAT BOTTOM FEEDER VALVE PACKAGE:** Shall be complete with 3/4" brass inlet and outlet isolation valves, inlet and outlet unions and drain hose bib with installation tee and installation nipples.
- FLAT BOTTOM FEEDER VALVE PACKAGE AND FILL FUNNEL:** Shall be complete with 6" carbon steel fill funnel with spill guard, 3/4" brass inlet and outlet isolation valves, inlet and outlet unions and drain hose bib with installation tee and installation nipples.
- DOME BOTTOM FEEDER VALVE PACKAGE:** Shall be complete with 3/4" brass inlet and outlet isolation valves, inlet and outlet union and drain valve with carbon steel street elbow and installation nipples.
- DOME BOTTOM FEEDER VALVE PACKAGE AND FILL FUNNEL:** Shall be complete with 6" carbon steel fill funnel with spill guard, 3/4" brass inlet and outlet isolation valves, inlet and outlet union and drain valve with carbon steel street elbow and installation nipples.

2.5) **FEEDER SIZE:** Shall be of proportionate size as to not create strain to fill / recharge: (check one)

- 2 gallon vessel, 6" diameter, height not to exceed 32 inches
- 5 gallon vessel, 10" diameter, height not to exceed 32 inches
- 12 gallon vessel, 10" diameter, height not to exceed 53 inches

2.6) **ACCESSORIES:** Feeder shall be supplied with the following accessory items to complete installation: (check all that apply)

- INTERNAL EPOXY COATING:** 2.0 – 2.5mil black beauty shall be electrostatically sprayed cold to inside of feeder body. Epoxy shall be DuPont #ELB400P9.
- EXTERNAL EPOXY COATING:** 2.0 – 2.5mil black beauty shall be electrostatically sprayed cold to outside of feeder body. Epoxy shall be DuPont #ELB400P9.
- INTERNAL / EXTERNAL EPOXY COATING:** 2.0 – 2.5mil black beauty shall be electrostatically sprayed cold to inside and outside of feeder body. Epoxy shall be DuPont #ELB400P9.

FILTER FEEDER SPECIFICATIONS

Form #035002.C
August 2004



- AIR RELEASE: Shall be supplied and installed in top dome, 1/4" NPT lab cock style valve, with relief side discharge connection, to relieve trapped air that may cause system corrosion.
- PRESSURE GAUGE: Shall be supplied and installed in top dome, rated for 0-300PSI, 1/4" NPT bottom tap gauge to indicate pressure at time of operation and servicing.
- SIGHT FLOW INDICATOR: Shall be furnished and installed on outlet side of feeder, rated for 125PSI @ 200° F, to indicate flow through feeder.
- FLOW CONTROL: 3/4" NPT brass flow control valve with stainless steel internal shall be supplied and installed to insure flow rate and filter life.

2.7) **INSTALLATION:** Filter Feeders shall be installed: (check one)

- PUMP DIFFERENTIAL: Using the system recirculation pump, the feeder shall plumb with inlet on the discharge side and the outlet on the suction side of pump. This flow shall be regulated to less than 5 gallons per minute and less than five (5) pounds of pressure differential.
- MAIN LINE VALVE: Using a system main line throttling valve, the feeder shall plumb with inlet on the inlet side of the throttle valve, and the outlet on the outlet side of the throttling valve. This flow shall be regulated to less than 5 gallons per minute and less than five (5) pounds of pressure differential.

3.0) **WARRANTY:** Wingert Filter Feeders are guaranteed for one year from the date of shipment against manufacturing defects in material and workmanship which develop in the service for which they are designed. We will repair or replace defective material when returned to our factory with transportation prepaid: providing that the material is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments. All replacements will be F.O.B. factory.