BYPASS FEEDER SPECIFICATIONS FOR GENERAL USE

Introduction:

This guide specification is presented to assist the writer in specifying a bypass feeder. This specification contains provisions for options and alternates. Bold face type indicates areas where a specification or choice must be made.

- Bypass Feeder – Provide **(qty)** bypass feeder(s) with a capacity of **(2, 5, 10 or 12)** gallons. The feeder shell shall be constructed of 11 gauge steel minimum for 2 gallon units and 10 gauge steel minimum for 5 gallon and larger units. Tank heads shall be a minimum of 11 gauge steel for 2 gallon units and a minimum 9 gauge steel for 5 gallon units. The bypass feeder shall be rated at 300 psi and to 200^0F.

- The tank shall have a wide mouth, 3-1/2" opening so that chemical addition can be performed without the need of a funnel. The bypass feeder shall have a continuous threaded closure requiring 2-1/2 turns to close and seal. Closures using partial threads or lugs shall not be considered. Closures rated less than 300 psi shall not be considered equal.

- The cap shall be constructed of cast iron with an epoxy-coated underside to prevent corrosion and shall use a square ring gasket seal. The ring gasket shall not be glued or restrained from movement. Closures using "o" rings or gaskets which are glued or restrained from free movement by snap rings shall not be considered equal.

Options:

1.   **Legs** – The bypass feeder shall be provided with legs to elevate the feeder off the floor. The legs shall have holes to allow mounting by anchor bolts.

2.   **Filter –**

   a. Bag Filter – The bypass feeder shall be provided with a
   (5, 20 or 50) micron filter bag fully supported by a stainless steel filter basket for simultaneous side stream filtering.

   b. Cartridge Filter – The bypass feeder shall be provided with a **(5 or 20)** micron cartridge filter for simultaneous side stream filtering.