



FLASH ARRESTER FILL UNITS

IMPORTANT - Before installation or servicing, make sure lines and tanks are free of flammable or hazardous vapor.

Installation

The 120 series Fill Unit is usually installed in conjunction with a corresponding Protectoseal perforated metal flash arrester which reaches to within $\frac{1}{2}$ inch of the tank bottom. This flash arrester has a shoulder at the upper end which rests on the upper end of the tank fill pipe. The fill unit, (provided with an NPS female thread) keeps the flash arrester in place when installed.

1. Remove all paper, tape and packing material from the fill unit and flash arrester. The latter item, particularly when of considerable length, must be unpacked and handled carefully to avoid damage.
2. Make sure that the tank fill pipe is threaded properly and that the end is square to the axis of the pipe. Remove any dirt or other foreign material.
3. (a) If the length of the flash arrester is 12 feet or less, it is shipped in one piece and needs no further attention before installation. The arrester can be lowered carefully into the fill pipe until it rests on its upper shoulder.
(b) For those installations where a flash arrester length of more than 12 feet is required, the arrester is shipped in sections for assembly at the tank site. For ease in assembly, each section should be lowered into the tank in turn and threaded securely to the following section until the last section which should shoulder on the fill pipe.
4. Thread and tighten the fill unit to the fill pipe, using the wrenching flats provided on the body. The set screw provided should be tightened to insure a secure threaded connection.
5. A padlock may, if desired, be inserted in the locking holes to prevent unauthorized tampering.

Maintenance

1. Lift Cover. If cover does not open freely, drive hinge pin out. Clean hinged surface, insert and peen new hinge pin.
2. Check valve seat surfaces, clean and wipe free of all deposits.
3. Check valve pallet for free operation. If sluggish, unscrew center cover nut, then the cap below the pallet. Remove stud and clean all parts. Reassemble stud, pallet, and pallet cap. Insert stud through cover opening and apply and tighten cover nut.
4. Clean inside surfaces of body, particularly cored opening leading to the vacuum valve.
5. Lift vacuum valve pallet manually. If clogged, unscrew hexagonal nut on top. Remove valve, inspect valve seat. Clean all surfaces. Reassemble valve, tighten hexagonal nut.
6. To inspect flash arrester, remove entire fill unit assembly from fill pipe. (Loosen set screw first.)
7. Withdraw flash arrester. Clean arrester, using a suitable solvent to loosen gums or stubborn deposits if necessary. If arrester is corroded or damaged it should be replaced.
8. Reinstall as outlined in Installation Instructions above.

Series 120

