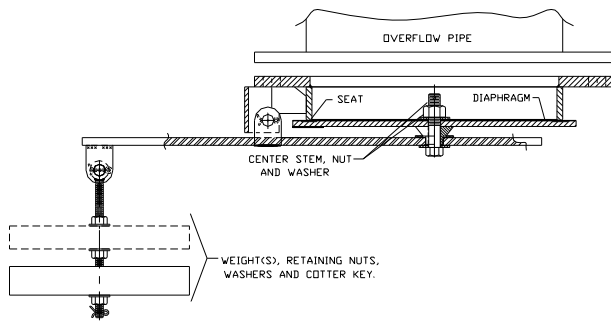


CAUTION:

If any questions arise concerning the proper installation or maintenance of our products, please contact Protectoseal or one of our Authorized Representatives.

When installing any Protectoseal device, the legal, corporate and advisory safety regulations and procedures appropriate for the specific installation site must be fully understood and followed.

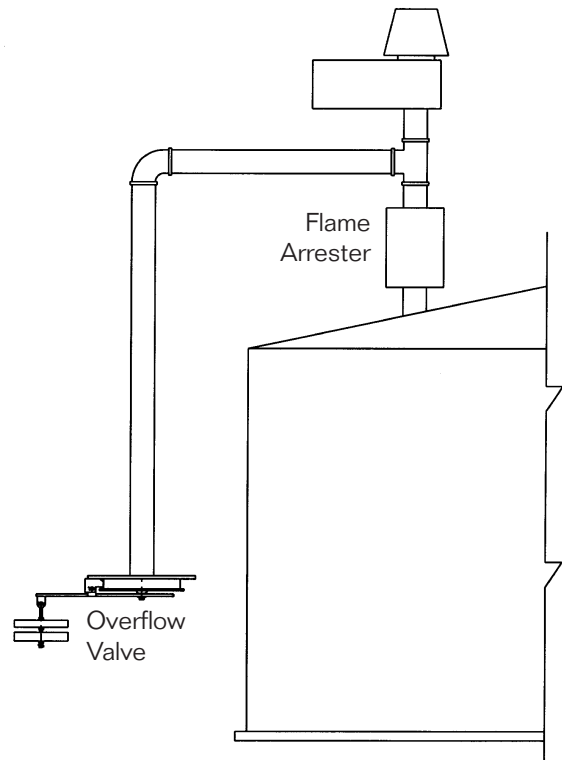
NOTE 1: When weights (packed separately if heavy) are included with a unit, the weights should be inspected, properly identified and set aside for later installation.



- The weight(s) act to maintain the valve disk in the closed position against the seat, in opposition to any pressure or liquid head in the overflow pipe. As the set point of the overflow valve is approached, the valve will open to relieve the pressure. It will reset automatically when the pressure has been reduced below the set point. Make sure that nothing obstructs the free movement of the weight(s) or sealing disk as the valve is cycled between the open and closed positions.

INSTALLATION PROCEDURE:

- Remove the valve and weight(s) from their shipping cartons. Inspect all components carefully to insure that all packing materials are removed. Protective cardboard inserts attached to the sealing disk should be removed.
- Mount the valve to the appropriate tank flange on the tank overflow pipe using gaskets compatible with service conditions. For best performance, the valve should be mounted level so that the seating surface is no more than 1° off horizontal. Make sure that the sealing disk is free to move about the hinge and that nothing obstructs the sealing disk of the valve from making contact with the seat.
- Assemble the weight(s) supplied with the valve to the threaded rod that hangs from the end of the valve lever arm. The weight(s) should be secured with the supplied washers and hex nuts. A cotter key should be used to secure the bottom nut/washer in position to eliminate the possibility of loosening of the nuts when in service.



Typical Installation

MAINTENANCE:

Protectoseal recommends that our products be inspected and maintained according to the normal maintenance schedule of the facility. At a minimum, maintenance should be conducted annually. More frequent maintenance may be required, and should be scheduled, for unusual service conditions.

CAUTION: When maintaining any Protectoseal device, the legal, corporate and advisory safety regulations and procedures appropriate for the specific installation site must be fully understood and followed.

CAUTION: Tank vapor space pressure or vacuum should be relieved before any maintenance operations are undertaken.

MAINTENANCE PROCEDURE:

1. Inspect the machined seating surface of the valve. Seat should be free of nicks, marks or accumulations of foreign material. If necessary, clean the seat surface with a safe and suitable cleaning fluid.

CAUTION: Do not use a file or other sharp tool to clean the seating surface.

2. Inspect the diaphragm material. The diaphragm should be clean, flat and smooth. If the diaphragm material is damaged it should be replaced by loosening the center stem washer and nut, replacing the diaphragm and reassembling the nut and washer to hold the diaphragm in position.
3. Make sure that the sealing disk is free to move about the hinge and that nothing obstructs the sealing disk of the valve from making contact with the seat. The weight(s) act to maintain the valve disk in the closed position against the seat, in opposition to any pressure or liquid head in the overflow pipe. As the set point of the overflow valve is approached, the valve will open to relieve the pressure. It will reseat automatically when the pressure has been reduced below the set point. Make sure that nothing obstructs the free movement of the weight(s) or sealing disk as the valve is cycled between the open and closed positions.

ADDITIONAL PRODUCTS FROM PROTECTOSEAL

Series 18540



Pipe-Away Pressure Vacuum Relief Vent for applications that require hazardous vapors be processed into manifolded piping and not released into the atmosphere

Series 7800



Emergency Vent protects tanks against rupture or explosion resulting from excessive internal pressure caused by exposure to fires.

Series 4950



Vent Line / In-Line Parallel Plate Flame Arrester is designed for installation in open vent pipe or bleed lines from storage or processing tanks. Suitable for NEC Group D (IEC Group IIA) vapors

Series 830



Combination Pressure / Vacuum Relief Vent & Flame Arrester provides pressure and vacuum relief as well as protection from propagation of externally introduced flames. Suitable for NEC Group D (IEC Group IIA) vapors.