

### CAUTION:

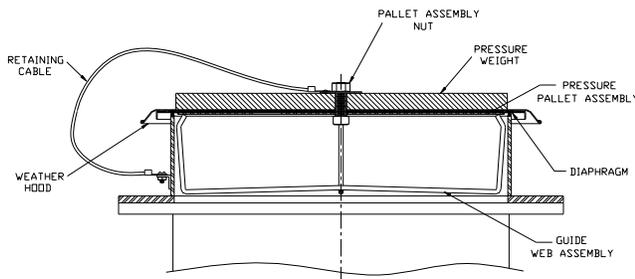
If any questions arise concerning the proper installation or maintenance of our products, please contact Protectoseal or one of our Authorized Representatives.

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:** The Series 53300 Vent is shipped as two components, the base assembly and the pallet assembly.

**NOTE 2:** When pressure loading weights are included with a unit they may be shipped separately to avoid damage to the unit. The weight(s) should be inspected, properly identified and set aside for later installation.



3. Mount the vent to the appropriate tank flange using gaskets compatible with service conditions. For best performance, the vent should be mounted level so that the seating surfaces are no more than 1° off horizontal.
4. If a setting weight is provided, assemble the weight to the top of the pallet assembly. Secure weight in its position on center stem of pallet assembly with nut.
5. Install the pallet assembly into the base. Guide web assemblies are positioned inside seat. **NOTE:** The pallet assembly should be free to move up and down in the base, guided by the web assembly.
6. Secure the retaining cable to the bracket on the base with provided fasteners.

### INSTALLATION PROCEDURE:

1. Remove and discard all protective packaging material from on or inside the vent. Remove and discard cardboard and tape from the pallet assembly. This cardboard protects the diaphragm during shipment.
2. Check carefully to insure that no packing or protective materials remain on or inside the vent base or the pallet assembly.

## 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. Lift the pallet assembly from the base. NOTE: Depending on the set point of the vent, the weight of the pallet assembly and weight combination may be significant - exercise caution.
2. Remove any loose dirt or foreign material from the seating surface and from the pallet assembly.
3. Inspect and clean the machined seating surface of the base with a suitable cleaning fluid. The seat should be free of nicks, mars or accumulations of foreign material.

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

4. Inspect the pallet assembly. If the pallet is deteriorated or bent, it must be replaced. Inspect the diaphragm material in the pallet assembly. The diaphragm must be clean, flat and smooth. If the diaphragm material is deteriorated, it must be replaced. The diaphragm can be replaced by loosening the fastener that secures the diaphragm and the web assembly. Remove the web to expose the diaphragm. Install a new diaphragm, reposition the web assembly and secure the fasteners.
5. Make sure that the retaining cable is secured to the base and the pallet assembly.

## 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.