

PRESSURE VACUUM VENT

2" BRASS

NPR310

- Compact/Corrosion Resistant
- Easy Installation
- Minimum Maintenance
- Required By NFPA
- Protectes Atmospheric Storage Tanks From Failure During Operation



Description

The Pressure Vacuum Vent is used with atmospheric type foam concentrate storage tanks, to minimize free air movement in the tank. The vent allows the tank to breathe as pressure in the tank increases or decreases due to temperature changes. It also allows the tank to vent during filling operations and as the tank is emptied during operation of the foam system. The pressure vacuum vent will minimize evaporation of the foam concentrate as well as reduce crusting and sedimentation of some foam concentrates.

Features

- Easy installation even on existing tanks
- Compact, corrosion resistant
- Ease of maintenance

Applications

- Atmospheric type foam concentrate storage tank vents

Technical Specifications

The Pressure Vacuum Vent shall be dead weight type. The vent shall minimize air flow to the tank by allowing the tank to breathe only when the pressure differential exceeds 3 oz. of pressure or vacuum. The vent shall be cast brass and have a 2" MNPT connection. The pressure and vacuum valves shall be supplied through two vent openings, each with a hood and 40 mesh screen, to prevent water and dirt from entering the valve. Flow capacity of the valve shall be as listed in the Technical Data.

Technical Data

Relief Setting:

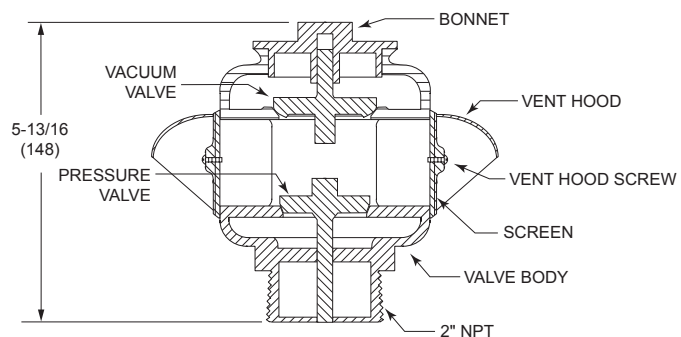
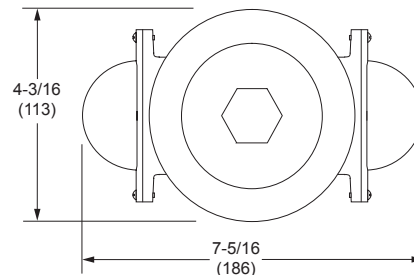
Pressure.....3 oz. (0.085kg)
 Vacuum3 oz. (0.085kg)

Flow Capacity:

33.3 SCFM (249 GPM) @ 4 oz/in² (0.25 PSI)
 116.6 SCFM (872 GPM) @ 8 oz/in² (0.50 PSI)
 233.3 SCFM (1745 GPM) @ 12 oz/in² (0.75 PSI)
 291.6 SCFM (2181 GPM) @ 16 oz/in² (1.0 PSI)

Materials of Construction:

Body Brass
 Pressure Valve Brass
 Vacuum Valve Brass
 Plug Brass
 Vent Hood Brass
 Screen Brass
 Hardware Brass
Weight: 7 LBS (3.2 kg)



ORDERING INFORMATION

| Part Number | Description |
|-------------|-------------------------|
| 1231-2102-4 | 2" Pressure Vacuum Vent |