



Morrison Bros. Series 748A

## FLAME ARRESTER, PRESSURE VACUUM VENT

Item code: MORRISON-FAPVV

Flame arresters provide a positive barrier that keeps flames from passing through the pressure vacuum vent line into a storage tank's vapor space.

For use with only normal hydrocarbon flames such as gasoline in air.

### FEATURES:

- DN50 (2") NPT.
- Directs vapors outward and upward in accordance with NFPA 30.
- Protects the vent line from debris and insects.
- Tri-polar mounting screws for mounting exhaust hood in any of three positions.
- Optional pressure discharge hood facilitates piping pressure relief to desired discharge point.

### CONSTRUCTION DETAILS:

- **Body and hood:** Aluminum.
- **Poppets:** Brass.
- **Seats:** Aluminum.
- **Screens:** 30 mesh stainless steel.

### WARNING:

**WARNING:** DO NOT FILL OR UNLOAD FUEL FROM A STORAGE TANK UNLESS IT IS CERTAIN THAT THE TANK VENTS WILL OPERATE PROPERLY. Morrison tank vents are designed only for use on shop fabricated atmospheric tanks which have been built and tested in accordance with UL 142, NFPA 30 & 30A, and API 650 and in accordance with all applicable local, state, and federal laws. In normal operation, dust and debris can accumulate in vent openings and block air passages. Certain atmospheric conditions such as a sudden drop in temperature, below freezing temperatures, and freezing rain can cause moisture to enter the vent and freeze which can restrict

internal movement of vent mechanisms and block air passages. All storage tank vent air passages must be completely free of restriction and all vent mechanisms must have free movement in order to insure proper operation. Any restriction of airflow can cause excessive pressure or vacuum to build up in the storage tank, which can result in structural damage to the tank, fuel spillage, property damage, fire, injury, and death. Monthly inspection, and immediate inspection during freezing conditions, by someone familiar with the proper operation of storage tank vents, is required to insure venting devices are functioning properly before filling or unloading a tank.



## PRODUCT RANGE:

Code	Description
748A0200AV	2" 4oz/sq.in. Pressure Vacuum Vent
748A0100AV	2" 2oz/sq.in. Pressure Vacuum Vent
748A0300AV	2" 6oz/sq.in. Pressure Vacuum Vent
748A0400AV	2" 8oz/sq.in. Pressure Vacuum Vent
748A0500AV	2" 12oz/sq.in. Pressure Vacuum Vent
748A0600AV	2" 16oz/sq.in. Pressure Vacuum Vent
748A0700AV	2" 2oz/sq.in. Pressure Vacuum Vent with Dryer Connection
748A0800AV	2" 4oz/sq.in. Pressure Vacuum Vent with Dryer Connection
748A0900AV	2" 6oz/sq.in. Pressure Vacuum Vent with Dryer Connection
748A1000AV	2" 8oz/sq.in. Pressure Vacuum Vent with Dryer Connection
748A1100AV	2" 12oz/sq.in. Pressure Vacuum Vent with Dryer Connection
748A1200AV	2" 16oz/sq.in. Pressure Vacuum Vent with Dryer Connection

## RESTRICTIONS & WARNINGS:

- Do not use with acetylene, carbon disulfide, etheleneoxide or hydrogen gases.
- For use with normal hydrocarbon flames such as gasoline in air.
- Routine inspection is required to ensure airways are clear and free of debris. Blocked airways can cause structural deformation of the tank.