

---

Add:Bali Vallage Qiaoxia Town, Yongjia County, Wenzhou City, Zhejiang Province, China.

---

## Lightweight Vacuum & Pressure Relief Valve for Portable Fueling Stations

HBPV-40 Series of Vacuum Pressure Vent Valves are used on above ground oil storage tank in Portable gas Station or used in small oil storage depots. The vent valve typically consists of two parts: a pressure valve and a vacuum valve designed to be installed inside. It is usually installed at a height of approximately 4.5 meters on the vent pipe of the oil storage tank to maintain the tank's tightness under normal circumstances. They protect tanks from excessive over or under pressure. The vent cap are designed to protect the tank vent lines against intrusion and blockage from water, debris or insects. A normally closed poppet in the valve, opens at a predetermined pressure or vacuum setting to allow the tank to vent.



**HBPV-40** Vacuum Pressure Vent Valve With 1.5 inch BSPT/NPT Female Thread

### Technique Specification:

Body Material: Cast Aluminum Alloy

Cap Material: Aluminum Alloy

Spring:Stainless steel

Temperature Range:-20~+50℃

Positive :+3 inches of water column for international market

+ 9 inches of water column for domestic market

Negative: -8 inches of water column

Standard of connecting flange can be produced according to client's detailed requirement.

### Order Specifications:

Model	Connection Method
HBPV-40	1.5 Inch Female NPT/BSP Thread (Regular Type)
HBPV-40F	1.5 Inch Flange with 1.5 Inch Female NPT/BSP Thread (If necessary)
HBPV-50	2 Inch Female NPT/BSP Thread (If necessary )
HBPV-50F	2 inch Flange with 2 Inch Female NPT/BSP Thread (If necessary )

Standard of connecting flange can be produced according to client's detailed requirement.

**Important Note:** These vents should not be used on under-ground storage tank (UST) with a throughput of 100000 gallon or more per month.

### Features:

It reduces oil evaporation losses to a certain extent. When necessary, it can automatically open and adjust to maintain a balanced pressure inside and outside the tank, serving a safety function for the tank.

**The HBPV-40 Series of Built-On Vacuum Pressure Vent Valves can be produced at different pressures according to clients' detailed requirement** so that to ensure reliable oil storage function, making the oil tank safe, reliable.

When the vapor pressure in the tank exceeds the allowable pressure, oil vapor is released through the pressure valve, while the vacuum valve remains closed.

When the vapor pressure in the tank is lower than the allowable vacuum, fresh air enters into the tank through the vacuum valve while the pressure valve stays closed.

The international standard for the positive pressure opening is +3 inches of water column (+750Pa), and the activation negative pressure is -8 inches of water column (-2000Pa). For the Chinese domestic market standard, the positive pressure opening is +9 inches of water column (+3000Pa), and the activation negative pressure is -8 inches of water column (-2000Pa).

### Installation Instructions:

Before installing the PV vent, it is recommended to cycle the poppet up and down. This insures free operation of the poppet if the valve has had an extended shelf life.