

PS INSTRUMENTS

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Breather Valve (Pressure & Vacuum Relief Valve)

A Breather Valve, also known as a Pressure & Vacuum Relief Valve, is a type of safety valve that is used to protect storage tanks, vessels, and pipelines from overpressure or vacuum conditions.



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Flame Arrester Usage And Application :

A Breather Valve, also known as a Pressure & Vacuum Relief Valve, is a type of safety valve that is used to protect storage tanks, vessels, and pipelines from overpressure or vacuum conditions. The valve allows air to enter or escape the tank as necessary to maintain a safe pressure level and prevent damage or collapse of the tank.

Breather valves typically have a spring-loaded diaphragm that opens and closes based on the pressure inside the tank. If the pressure inside the tank exceeds the set pressure limit, the diaphragm opens, releasing excess pressure and preventing overpressure conditions. Similarly, if the pressure inside the tank falls below a certain vacuum level, the diaphragm opens, allowing air to enter and prevent the tank from collapsing.

Breather valves are commonly used in a variety of industries, including oil and gas, petrochemical, chemical, and pharmaceuticals, where the storage of hazardous or flammable materials requires a high level of safety and protection against overpressure or vacuum conditions. It is important to choose the right type of breather valve for a specific application, as different valves are designed for different pressure and vacuum ranges and may have different materials of construction to meet specific safety requirements.



SPECIFICATION



Size	:	Size : 1" to 30", Type : Dead Weight Loaded, Spring Loaded
Model No.	:	(FDI-BV-708)
Body Materials	:	Aluminium Alloy and CS for 2" to 16" sizes and Cast Steel.
Standard	:	As per API
Set Pressure	:	200050mm H2O to 2000mm H2O



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