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The different types of Breather Valve by Mary Porter

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A breather valve is also referred to as a pressure relief valve and these valves are used to help prevent the excessive build-up of pressure in sealed containers of any kind. Breather valve devices are used for many different applications and in various different industries and they are most commonly used to control the pressure inside tanks. The excessive build of pressure inside any container can cause problems and damage what is contained inside. The excessive pressure will also mean increased weights which will lead to increase associated costs which all businesses are keen to avoid.

There are a number of different breather valve products available for different uses. These include spring loaded valves, pilot operated valves and dead weight loaded pressure relief valve products. Each type of breather valve comes in a number of different sizes and configurations depending on its intended use.

Pressure relief valve devices are made in a number of different materials to suit different requirements. A breather valve can be made of aluminium, stainless steel, carbon, cast iron and other materials on request. Breather valve devices are also available in a range of sizes ranging from 50mm to 300mm and bespoke sizes can be made on request. Most companies that provide pressure relief valve devices will offer a free sizing service to ensure the valves you require are the perfect fit. As well as bespoke sizing options breather valve manufactures should also provide a lining and or coating service if required. This can help to protect the valves form corrosion or other damage. Breather valve devices are used a lot in oil and gas industries, water, power, food and drink and petrochemical industries.

You can purchase spring loaded breather valve and pressure relief valve devices and these can provide pressure relief only, vacuum relief only or combined pressure and vacuum relief. These are ideal for use on liquid nitrogen gas tanks, bulk storage tanks and floating roof tanks. All spring loaded breather valve devices are available with flanged outlets or are vented to the atmosphere.

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