

Blanketing System

Nitrogen PRV



Tank blanketing & tank protection devices complying

Some of the salient features are as follows

- Simple, easy to maintain and reliable design
- Turnkey solutions for blanketing system with safety devices along with nitrogen high pressure reducing station for storage tanks, reactors & centrifuges
- Low-set point technology ensures very low nitrogen consumption & operating cost
- Extensive material selection compatible to different solvents
- High system accuracy where extremely low set points and minimal proportional bands are important
- Low flow purging systems for safe operation of centrifuge

Back Pressure Valve



Our Back Pressure Valve is fitted in vessels to prevent an undue rise in pressure, the Back pressure valve gets actuated and there is a rapid opening or pop up action to release the pressure. Used in various industries, our Back pressure valve is available in sizes to suit the requirements of our clients.

Centrifuge Blanketing



Onus Offers Skid Mounted ready to use, continuous inertisation (Blanketing & Purging) systems for safe operation of centrifuges.

Salient features are:

- Ensures presence of N₂ in the Basket and Bearing Housing & ML Tank
- Reduce oxygen content in the Basket & Bearing Housing and eliminates the possibility of hazard / fire
- Completely Self actuated system without auxiliary power with lower & over pressure indication / alarm
- Low set point technology results in very low nitrogen consumption
- Available in Automated & Manual Option

Downstream Pressure Control Valves



Downstream Pressure Control Valves are pressure reducing valves which combine sensitivity with stability of the controlled pressure. These valves can react to very small changes in controlled pressure. Due to the pressure loaded design, differential pressure across the main valve diaphragm is minimum. Hence these valves are also suitable for high pressure setting. Main valve actuators are available to cover wide range of pressure and flow requirements.

Features:

- Accuracy
- Easy to Maintain
- High Capacity Pressure Control
- Economical Labor Saving Installation
- Tight Shut off Capability

Breather Valves With Flame Arrestor



These are useful as relief valves for blanketed vessels in which solvents are filled & drawn out at a high flow rate. These can also be fitted, on the process vessels to safeguard the process equipment where unpredicted fluctuations in pressure may occur. By retaining toxic vapors and avoiding atmospheric contamination these help to provide increased fire protection and safety. Pressure cum vacuum relief / breather valves are designed to protect your tanks from possible casualty due to over pressure created by thermal expansion & product movement into the tank and excessive vacuum created by thermal contraction & product movement out of the tank. At the same time it minimizes costly product evaporation / loss. Continued design improvements provide these valves with high efficiency, maximum flow capacity and minimum leakage.

Flame Arrestor



The accidental ignition of flammable gases or vapors from vent pipes of storage tank or process vessel presents a constant threat to plant and personnel. The use of flame arresters is one of the essential measures taken to avoid or minimize the possible consequences. Their application is widespread, ranging from the protection of small solvent tanks to the safety of large and complex process plant. The oil, gas, petroleum, chemical and petrochemical industries are major users. A flame arrester is a static device which stops a flame entering into the storage tank or process vessel containing a flammable gas or vapor. An end-of-line type flame arrester is fitted at the extreme downstream end of a pipeline. The arrester consists of a flame quenching, element contained within a housing which incorporates thread or flange connections for fitting to pipework. The element is often of greater diameter than the pipework in order to compensate for pressure drop and therefore the housing is enlarged accordingly.