



Pressure Reducing Station

An ISO 9001:2008 Certified Company



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Pressure Reducing Station

Steam Pressure reduction is basic need of every process plant, as it is always recommended to operate boiler at its rated pressure, distribute steam at higher pressure & use the lowest possible steam pressure at utilization point.



Why distribute steam at high pressure & Reduce Pressure at utilisation point?

- Boiler running at lower pressure can cause moisture carryover along with the steam.
- High pressure steam has lower specific volume, which means lower pipe sizes for distribution of steam.
- This reduces initial cost for piping & insulation. Also this reduces the radiation losses.
- Lower the steam pressure higher is the latent heat.
- We offer multiple options for pressure reduction to suit customer requirement.

Self Operated Pressure Reducing Valve

Self operated steam control valve is the most trusted pressure reduction solution for consistent pressure at user point.

Features

- **Purely Mechanical:** Needs no Power / Pneumatic Supply.
- **Accuracy:** The Self Operated PRV operates with +/- 2% which is the best accuracy in its range.
- **Running Cost:** The valve is purely mechanical & works on the direct feedback from the downstream of the Pressure Reducing Valve. Hence no pneumatic or electric supply is needed.
- **Easy To Maintain:** Self Operated PRV is very easy to maintain as it has very simple mechanism & it can be repaired without removing from the line.
- **Higher Turn Down Ratio:** Self Operated PRV has high turn down ratio due to which it responses well to the fluctuating loads.

PID Based Pressure Control Valve:

- We also offer PID based Pressure control valve for the critical applications where process is very sensitive to steam pressure & has heavy steam loads. This type of valve can maintain pressure within +0.05 bar.

The system consists of Pneumatic control valve with Electro-pneumatic positioner, pressure transmitter & PID based pressure controller.

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