Direct Acting



For Steam, Air and Non-Corrosive Gas Service

The simplest of pressure reducing valves, the direct acting type operates with either a flat diaphragm or convoluted bellows. Since it is self-contained, it does not need an external sensing line downstream to operate. It is the

smallest and most economical of the three types and is designed for low to moderate flows. Accuracy of direct acting PRVs is typically +/-10%.

Bronze body for corrosion Plastic cap doesn't absorb heat resistance. so it won't burn an operator's hands. Permits changing of set pressure without tools. Simply lift cap and turn to desired setting. Convoluted phosphor bronze bellows allows smaller body size than conventional direct-acting diaphragm PRVs. Interchangeable range spring is easily changed to different pressure by removing four (4) cap screws. Stainless steel stem and bronze body minimize the sticking common with conventional valves. Downstream pressure sensed outside the bellows vs. inside, which assures bellows integrity and longer bellows life. Hardened stainless steel valve and seat with spring return to assure tight shutoff. Integral sensing port to eliminate piping of external sensing line. Integral mesh strainer eliminates fouling due to dirt.

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