

PRV Type V82 Pressure Reducing Valve

PVDF-HP/PP-PURE

Features:

- Special designed and manufactured for high purity applications
- Compact design for low space requirement
- Available with weld ends and union connection
- Tightness even with temperature changes
- Easily adjustable set pressure also during operation
- Low maintenance required
- Low vibrating control behavior reduces particle shedding
- Engineered high grade thermoplastic (PVDF and PP) valvuloids for corrosive and ultra pure medias
- Each valve is individually tested prior to packaging
- Manometer optional available for ultra pure applications or aggressive media

Market segments:

- Microelectronic Industry
- Solar industry
- Water Treatment



The pressure reducing valves V82 reduce pressure to a given value. They adjust themselves to the set working pressure and maintain it on the downstream side irrespective of fluctuations of inlet pressure or changes in flow demand.

There is no direct relation between the working pressure and the inlet pressure. The valve works by balancing an adjustable spring force that pushes downward onto a diaphragm, against the force of the fluid pushing upwards.

MATERIAL

Body	Diaphragm	Sealing/Piston	Gasket
PVDF	EPDM/TFM coated	FFKM white	PTFE
PP	EPDM/TFM coated	FFKM white	PTFE

TECHNICAL DATA

Type	Diameter	PN	adjustable pressure range
V 82	DN 15-50	10/20°C	1.5 - 9 bar / 22-130 psi
V 82	DN 65	6/20°C	1.5 - 5 bar / 22-72 psi

