

Pilot Operated Pressure Reducing Valve

PREDU® P



Technical Performance

Media:

Steam and air

Design:

Piston design

Flanges:

DN 15 – 50

Screwed connection:

½" up to 2" NPT and G

Sealing elements:

PFAS free design

Body material:

1.0619+N, WCB, 1.4408, CF8M

Nominal pressure/class:

PN 16, PN 25, PN 40, ANSI 150, ANSI 300

Upstream pressure:

16 bar(g)

Downstream pressure:

10 % up to 85 % of upstream pressure
(min. 0,3 bar(g))

Max. differential pressure:

8,5 bar(g)

The regulator closes when the downstream pressure P_2 rises pilot operated with small control tolerances.

The PREDU® P is a self-acting pilot operated pressure reducing valve for use on steam and air, that will accurately control downstream pressure (P_2), regardless of the upstream pressure (P_1), or demand from the system. A pilot valve senses the downstream pressure (P_2) which in turn controls the main valve. The result is a very narrow proportional band which together with the low hysteresis enables very precise and stable pressure control.

- ✓ PFAS free design
- ✓ Low pressure regulating tolerances
- ✓ Accurate pressure control, even at high and variable flow rates
- ✓ Ensures even pressure regulation
- ✓ Longer lifetime due to internal strainer
- ✓ Easier maintenance due to removable piston guide
- ✓ Even easier to service due to hardened reversing plug (plug sealing surfaces on both sides) and replaceable screwed in seat
- ✓ Unauthorised adjustment due to protective cap
- ✓ Easy set point adjustment
- ✓ Only one adjusting spring required (good for distribution and stock)
- ✓ Compact design
- ✓ Low weight
- ✓ Robust pilot diaphragm
- ✓ Easy and cost-efficient installation due to internal pressure sensing
- ✓ If necessary, an external pressure sensing line is retrofittable.
- ✓ Robust and resistant piston design



Even easier to service due to hardened reversing plug (plug sealing surfaces on both sides)



PFAS free design



Safer due to additional integrated strainer



Save costs with internal pressure sensing lines and robust and resistant piston design