

PISTON SENSING PRESSURE REDUCING VALVES PRV41SS

DESCRIPTION

The ADCA PRV41SS is a series of direct acting, spring loaded, piston sensing pressure reducing valves.

These regulators are designed for use with nitrogen, compressed air, water and other gases and liquids compatible with the materials of construction.

They are suitable for general purpose pressure reducing applications such as instrumentation systems and industrial equipment where small loads and high pressures are involved.

MAIN FEATURES

Compact design.

Balanced valve plug.

Completely machined from solid bar stock material.

OPTIONS:

- Self relieving.
- Top cap (adjustment screw with cover).
- Gauge connection on body.
- Different soft valves for liquids and gases.
- Degreased for oxygen application.

USE: Compressed air, water and other gases and liquids compatible with the construction.

AVAILABLE MODELS: PRV41SS – stainless steel, piston sensing.

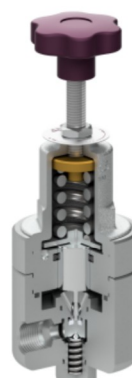
SIZES: 1/4" to 3/4"; DN 15 and DN 20.

CONNECTIONS:

- Female threaded ISO 7 Rp, ISO 228 or NPT.
- Flanged EN 1092-1 PN 40 to PN 250.
- Flanged ASME B16.5 Class 150, 300 or 600.

INSTALLATION:

- Horizontal or vertical installation.
- See IMI – Installation and maintenance instructions.



LIMITING CONDITIONS						
VALVE MODEL	PRV41SS					
Body design conditions	Class 150	Class 300	Class 600	PN 40	PN 100	PN 250
Maximum upstream pressure	16 bar	40 bar	80 bar	40 bar	100 bar	220 bar
Maximum downstream pressure	200 bar					
Minimum downstream pressure	3 bar					
Maximum design temperature	80 °C					
Max. recommended reducing ratio	40:1					

* Rating PN 250 for threaded versions.

CE MARKING – GROUP 2 (PED – EUROPEAN DIRECTIVE)				
PN 250		CATEGORY		
1/4" to 3/4" – DN 15 and 20		SEP		
FLOW RATE COEFFICIENTS (m³/h)				
SIZE	1/4"	3/8"	1/2" DN 15	3/4" DN 20
Kvs	0,7	0,8	0,9	0,9