

PISTON SENSING PRESSURE REDUCING VALVES P20P

DESCRIPTION

The ADCA P20P 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.

Machined from bar stock materials.

Non-rising adjustment knob.

Ultrasonically cleaned and degreased.

OPTIONS:

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

USE:

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

AVAILABLE

MODELS:

P20P – stainless steel, piston sensing, low flow.

SIZES:

1/4".

CONNECTIONS:

Female threaded ISO 7 Rp, ISO 228 or NPT.

INSTALLATION:

In any position.
See IMI – Installation and maintenance instructions.



CE MARKING – GROUP 2 (PED – EUROPEAN DIRECTIVE)

PN 250	CATEGORY
1/4"	SEP

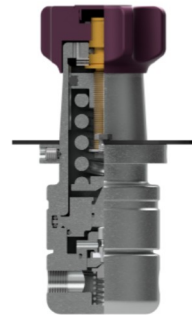
LIMITING CONDITIONS

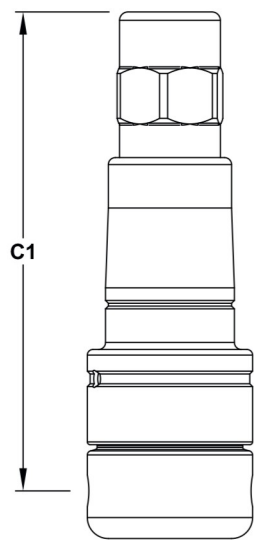
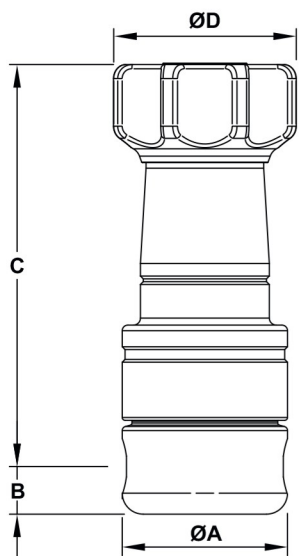
MODEL	P20P
Body design conditions	PN 250
Maximum upstream pressure	220 bar
Maximum downstream pressure	200 bar
Minimum downstream pressure	0,2 bar
Maximum design temperature	80 °C
Maximum recommended reducing ratio	40:1

FLOW RATE COEFFICIENTS (m³/h)

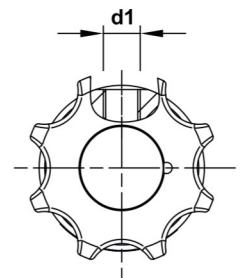
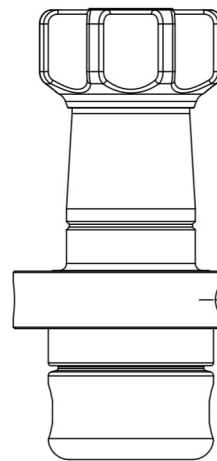
SIZE	1/4"		
Kvs	0,043	0,22	0,62

OPTIONS

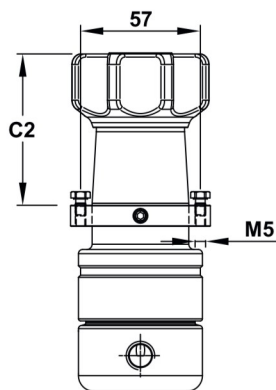
LEAKAGE LINE CONNECTION	TOP CAP	GAUGE CONNECTION	PANEL MOUNTING
			



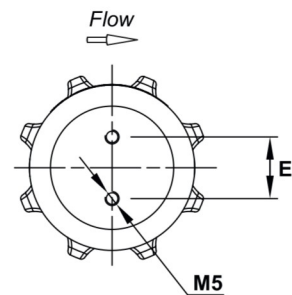
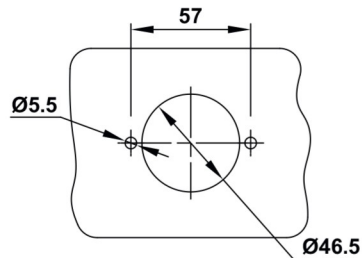
Optional top cap



Optional leakage line (d2)
and gauge (d1) connections



Optional panel mounting

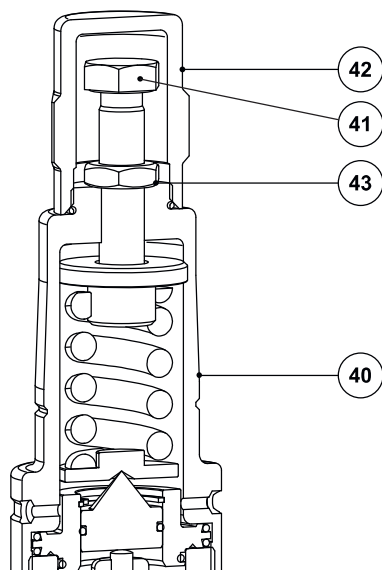
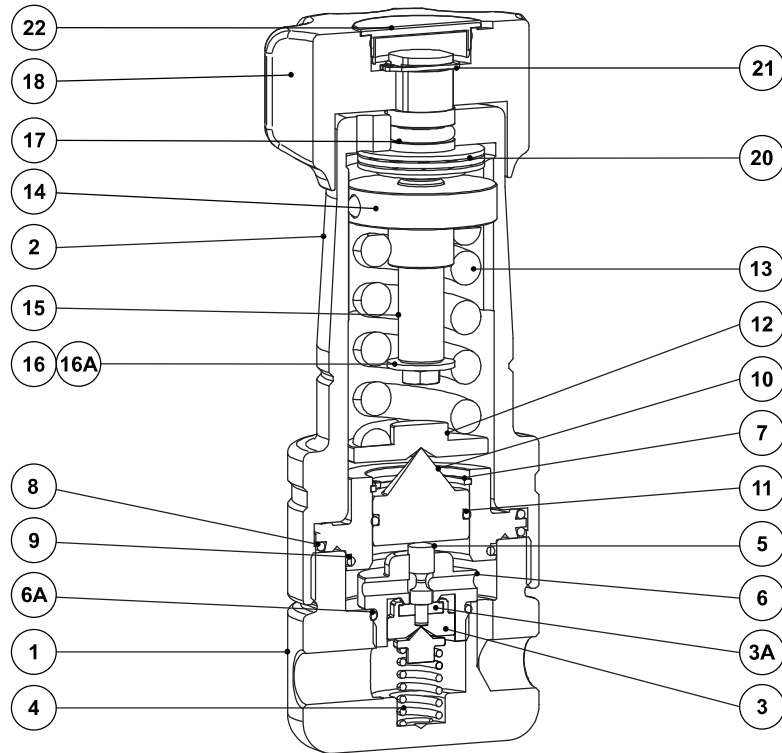


Optional bottom mounting connection

DIMENSIONS (mm)										
SIZE	ØA	B	C	C1	C2	ØD	d1	d2	E	WEIGHT (kg)
1/4"	59	17	143,5	171	72	69	1/4"	1/8"	22	2,5

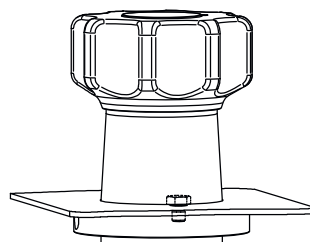
Remark: As standard, in versions manufactured with ISO threads, connections d1 and d2 are female threaded ISO 228. In versions with NPT threads, these connections are female threaded NPT.

MATERIALS



Optional top cap

Optional leakage line connection



Optional panel mounting