



ADCA Pressure reducing valve Type 11539 series PRV25i stainless steel direct-acting internal thread ISO 7/1 Rp



- The ADCA series PRV25i pressure reducing valve is equipped with a strainer element and suitable for high capacities due to the construction of the interior. Due to the special construction of the adjustment knob, it is self-locking, which means that the regulator will always remain at the set value.

Reduced pressure ranges: 0.14 - 1.70 bar: Yellow spring.

- 1.40 - 4.00 bar: Green spring.
- 3.50 - 8.60 bar: Red spring.

Where pressure ranges overlap, the best regulation is obtained with the lighter spring.

Characteristics

Series: PRV25i

Type: 11539

Model: Direct-acting

Process connection: Internal thread

Standard connection: ISO 7/1 Rp

Maximum inlet pressure: 17 bar

Min. outlet pressure [bar]: 0.14 bar

PMA - maximum allowable pressure: 25 bar

TMA - maximum allowable temperature: 210 °C

Control ratio: 10:1

Suitable for gases: Yes

Housing material: Stainless steel

Material quality: 1.4408

Material adjustment knob: PA

Seat material: Stainless steel 316 [1.4401]

Spring material: Stainless steel 302 [1.4300]

Filter element material: Stainless steel SS 304 [1.4301]

Mounting direction: Horizontal

Flow direction: through arrow marking on housing

Approvals: PED 2014/68/EU fluid group 2

Application

- Compressed air.
- Steam.
- Liquids and gases that do not affect the structure.
- With soft PTFE/graphite sealing also suitable for applications with water.

Technical Information

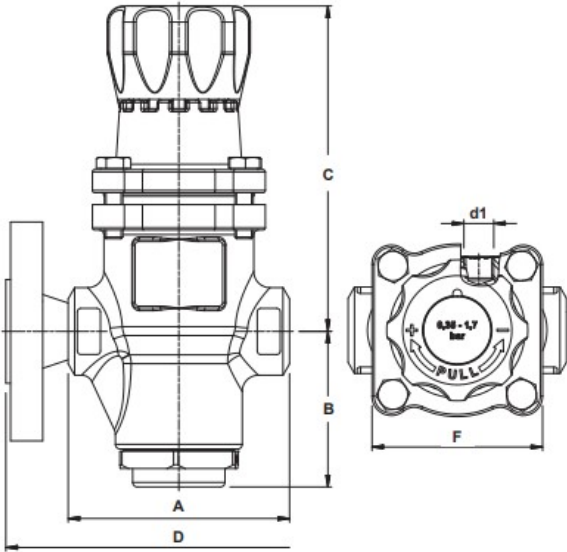
- Installation in horizontal position with the adjustment knob vertically pointing upwards.

Options

- Thread connection ASME B1.20.1; NPT.
- Flange connection EN 1092-1; PN 25.
- Flange connection ASME B16.5; Class #150, #300.
- Rising adjustment knob with lock nut.
- Top cap (adjustment screw with cover).
- Spring and dome load version.
- Gauge connection on body.

Size table:

Dimension	A	B	C	d1	F	Weight
	mm	mm	mm		mm	kg
1/2" BSP	96	68.5	145	1/4" [optional]	74	3
1" BSP	96	68.5	145	1/4" [optional]	74	2.9
3/4" BSP	96	68.5	145	1/4" [optional]	74	3



Size process connection	Nominal inner diameter	Kvs value m³/h	Reduced pressure range bar	Spring type	PED classification	Article
1/2" BSP	DN15	1.7	0.14 / 1.7	Yellow	PED-SEP	14531699
1/2" BSP	DN15	1.7	3.5 / 8.6	Red	PED-SEP	14531701
1/2" BSP	DN15	1.7	1.4 / 4	Green	PED-SEP	14531700
1" BSP	DN25	3.1	3.5 / 8.6	Red	PED-SEP	14531707
1" BSP	DN25	3.1	1.4 / 4	Green	PED-SEP	14531706
1" BSP	DN25	3.1	0.14 / 1.7	Yellow	PED-SEP	14531705
3/4" BSP	DN20	2.6	3.5 / 8.6	Red	PED-SEP	14531704
3/4" BSP	DN20	2.6	1.4 / 4	Green	PED-SEP	14531703
3/4" BSP	DN20	2.6	0.14 / 1.7	Yellow	PED-SEP	14531702

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