



ADCA Pressure reducing valve Type 11540 series PRV25i stainless steel direct-acting flange EN1092-1



- 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: 11540

Model: Direct-acting

Process connection: Flange

Standard connection: EN 1092-1

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

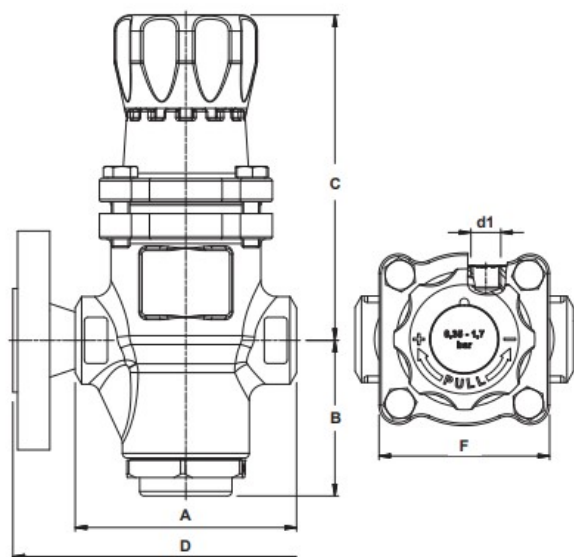
- Compressed air.
- Steam.
- Liquids and gases that do not affect the structure.
- With soft PTFE/graphite sealing also suitable for applications with water.

Technical Information

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

Options

- Thread connection ISO / 7 Rp; BSP.
- Thread connection ASME B1.20.1; NPT.
- 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	B mm	C mm	D mm	d1	F mm	Weight kg
DN15	68.5	141	150	1/4 " [optional]	74	4.4
DN20	68.5	141	150	1/4 " [optional]	74	5
DN25	68.5	141	160	1/4 " [optional]	74	5.5

DN ["]	H [mm]	H1 mm	A mm	L mm	Weight [kg]	Kvs value [m³/h]
1/2	141	69	95	150	4.4	1.7
3/4	141	69	105	150	5	2.6
1	141	69	115	160	5.5	3.1

Max. inlet pressure and temperature	17 bar at 210°C.
Minimum pressure difference	10% of the inlet pressure
Pressure reduction	10: 1 at max. capacity

Size process connection	Kvs value m³/h	Reduced pressure range bar	Spring type	PED classification	Article
DN15	1.7	0.14 / 1.7	Yellow	PED-SEP	14531708
DN15	1.7	1.4 / 4	Green	PED-SEP	14531709
DN15	1.7	3.5 / 8.6	Red	PED-SEP	14531710
DN20	2.6	3.5 / 8.6	Red	PED-SEP	14531712
DN20	2.6	1.4 / 4	Green	PED-SEP	14531716
DN20	2.6	0.14 / 1.7	Yellow	PED-SEP	14531711
DN25	3.1	3.5 / 8.6	Red	PED-SEP	14531715
DN25	3.1	0.14 / 1.7	Yellow	PED-SEP	14531713
DN25	3.1	1.4 / 4	Green	PED-SEP	14531714

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