

ADCA Pressure reducing valve Type 1541E series PRW25/2S steel direct-acting internal thread ISO 7/1 Rp



• The ADCA series PRW25/2S is a pressure reducing valve equipped with a relieved valve with soft seals and equipped with a strainer element. Its internal construction makes it suitable for high capacities. Due to the special construction of the adjustment knob, it is self-locking which means that the reducer 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: PRW25/2S **Type:** 1541E Model: Direct-acting Process connection: Internal thread Standard connection: ISO 7/1 Rp Maximum inlet pressure: 14 bar Min. outlet pressure [bar]: 0.35 bar PMA - maximum allowable pressure: 25 bar TMA - maximum allowable temperature: 80 °C Control ratio: 10:1 Suitable for cases: Yes Housing material: Steel Material quality: ASTM A216 WCB/1.0619 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

- Water.
- Compressed air.
- Steam.
- Liquids and gases that do not affect the structure.

Technical Information

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

Options

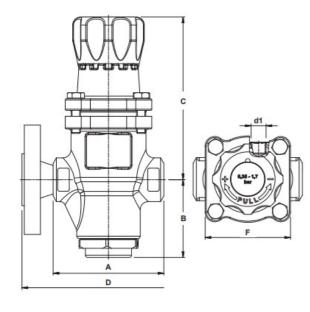
- Thread connection ASME B1.20.1; NPT.
- Flange connection EN 1092-1; PN 25.
- Flange connection ASME B16.5; Class #150, #300.
- Rising adjustment knob with lock nut.
- Top cap (adjustment screw with cover).
- Spring and dome load version.
- Gauge connection on body.

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Page 1/2



Pressure reducing valves self-acting | Pressure reducing valves threaded



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Dimension	А	В	С	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	Reduced pressure range	Spring type	PED classification	Article
		m³/h	bar			
1/2" BSP	DN15	1.7	1.4 / 4	Green	PED-SEP	13313145
1/2" BSP	DN15	1.7	0.35 / 1.7	Blue	PED-SEP	13313144
1/2" BSP	DN15	1.7	3.5 / 8.6	Red	PED-SEP	13313146
1" BSP	DN25	3.1	1.4 / 4	Green	PED-SEP	13313142
1" BSP	DN25	3.1	3.5 / 8.6	Red	PED-SEP	13313143
1" BSP	DN25	3.1	0.35 / 1.7	Blue	PED-SEP	13313141
3/4" BSP	DN20	2.6	1.4 / 4	Green	PED-SEP	13313148
3/4" BSP	DN20	2.6	3.5 / 8.6	Red	PED-SEP	13313149
3/4" BSP	DN20	2.6	0.35 / 1.7	Blue	PED-SEP	13313147

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e or e advice. FR740063260290269_EN_26.04.2024

