



ADCA Pressure reducing valve Type 5915 series PRV47 steel indirect-acting flanged EN1092-1



The ADCA series PRV57 is an indirect acting pressure reducing valve (pilot operated) pressure reducing valve developed to provide sensitive and accurate control even with fluctuating inlet pressure or flow rate. Designed for industrial use in pressure reducing stations, this regulator features a robust construction and is equipped with a hardened stainless steel valve and external piston and spindle guide. It is suitable for use with compressed air, steam, nitrogen and gases that do not affect the construction, with the exclusion of oxygen. Usage for applications with other gases possibly on request. The ADCA series PRV57 can also be used in situations where so-called 'Dead-end' conditions occur or may occur.

Characteristics

Series: PRV57

Type: 5915

Model: Indirect-acting

Process connection: Flange

Standard connection: EN 1092-1

Maximum inlet pressure: 7 bar

Min. outlet pressure [bar]: 0.35 bar

PMA - maximum allowable pressure: 40 bar

TMO - maximum operating temperature: 250 °C

Control ratio: 10:1

Suitable for gases: Yes

Housing material: Steel

Material quality: ASTM A216 WCB/1.0619

Material adjustment knob: Plastic

Seat material: Stainless steel 316 [1.4401]

O-ring material: FPM

Membrane material: Stainless steel 301 [1.4310]

Spring material: Steel

Material spring bonnet: Stainless steel [1.4308]

Mounting direction: Horizontal

Flow direction: through arrow marking on housing

Drain connection: 1/2" BSP binnendraad [optioneel]

Approvals: PED 2014/68/EU fluid group 2

Application

- Compressed air.
- Steam.
- Nitrogen
- Gases that do not affect the structure.

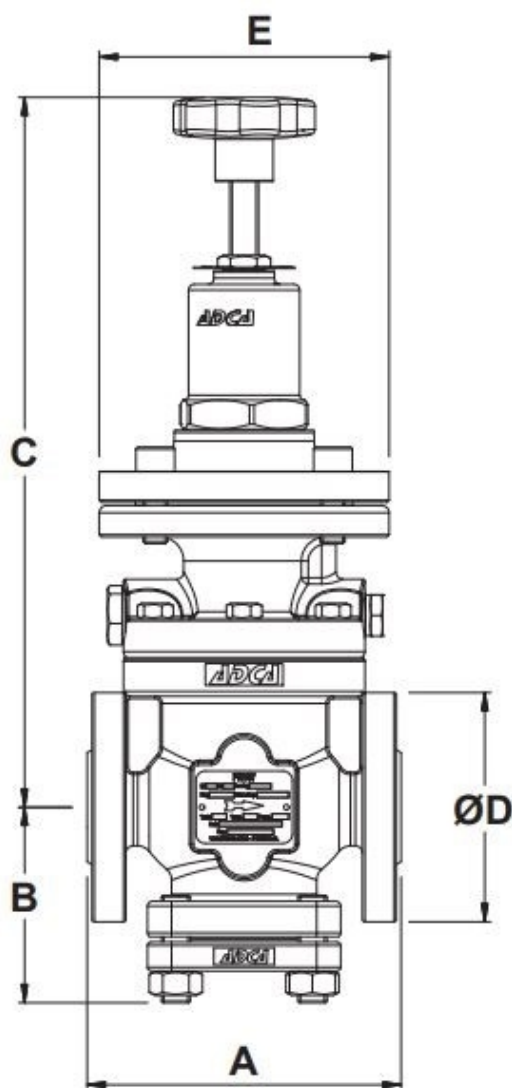
Technical Information

- Installation in a horizontal position with the spring bonnet and handwheel pointing vertically upwards.

Options

- Soft sealing.
- Low pressure cap.
- Dome loaded version.
- Bottom cover drain connection.
- Stellite plug and seat.
- Internal sensing line.

Size table:



Bonnet type	Dimension	A	B	C	ØD	E	Weight
		mm	mm	mm	mm	mm	kg
Standard	DN15	150	88	294	95	120	10.5
Low pressure bonnet	DN15	150	88	294	95	195	10.5
Standard	DN20	150	88	294	105	120	16
Low pressure bonnet	DN20	150	88	294	105	195	16
Standard	DN25	160	88	294	115	120	17
Low pressure bonnet	DN25	160	88	294	115	195	17
Standard	DN32	180	102	306	140	120	20
Low pressure bonnet	DN32	180	102	306	140	195	20
Low pressure bonnet	DN40	200	108	314	150	195	24
Standard	DN40	200	108	314	150	130	24
Standard	DN50	230	118	351	165	130	31
Low pressure bonnet	DN50	230	118	351	165	195	31
Standard	DN65	290	147	377	185	120	48
Low pressure bonnet	DN65	290	147	377	185	195	48
Standard	DN80	310	152	392	200	120	53
Low pressure bonnet	DN80	310	152	392	200	195	53
Standard	DN100	350	168	422	235	120	72
Low pressure bonnet	DN100	350	168	422	235	195	72

Size process connection	Reduced pressure range bar	Spring type	Bonnet type	PED classification	Article
DN15	7 / 17	Black	Standard	PED-SEP	14531368
DN15	1.5 / 5.5	Blue	Standard	PED-SEP	14531366
DN15	3.5 / 8.5	Red	Standard	PED-SEP	14531367
DN15	0.07 / 0.5	Green	Low pressure bonnet	PED-SEP	14531364
DN15	0.35 / 2	Green	Standard	PED-SEP	14531365
DN20	3.5 / 8.5	Red	Standard	PED-SEP	14531372
DN20	7 / 17	Black	Standard	PED-SEP	14531373
DN20	0.35 / 2	Green	Standard	PED-SEP	14531370
DN20	1.5 / 5.5	Blue	Standard	PED-SEP	14531371
DN20	0.07 / 0.5	Green	Low pressure bonnet	PED-SEP	14531369
DN25	7 / 17	Black	Standard	PED-SEP	14531378

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Size process connection	Reduced pressure range bar	Spring type	Bonnet type	PED classification	Article
DN25	0.07 / 0.5	Green	Low pressure bonnet	PED-SEP	14531374
DN25	0.35 / 2	Green	Standard	PED-SEP	14531375
DN25	3.5 / 8.5	Red	Standard	PED-SEP	14531377
DN25	1.5 / 5.5	Blue	Standard	PED-SEP	14531376
DN32	0.35 / 2	Green	Standard	PED-SEP	14531380
DN32	7 / 17	Black	Standard	PED-SEP	14531383
DN32	0.07 / 0.5	Green	Low pressure bonnet	PED-SEP	14531379
DN32	3.5 / 8.5	Red	Standard	PED-SEP	14531382
DN32	1.5 / 5.5	Blue	Standard	PED-SEP	14531381
DN40	0.07 / 0.5	Green	Low pressure bonnet	PED cat. I	14531384
DN40	7 / 17	Black	Standard	PED cat. I	14531388
DN40	3.5 / 8.5	Red	Standard	PED cat. I	14531387
DN40	0.35 / 2	Green	Standard	PED cat. I	14531385
DN40	1.5 / 5.5	Blue	Standard	PED cat. I	14531386
DN50	1.5 / 5.5	Blue	Standard	PED cat. I	14531391
DN50	0.35 / 2	Green	Standard	PED cat. I	14531390
DN50	0.07 / 0.5	Green	Low pressure bonnet	PED cat. I	14531389
DN50	7 / 17	Black	Standard	PED cat. I	14531393
DN50	3.5 / 8.5	Red	Standard	PED cat. I	14531392
DN65	7 / 17	Black	Standard	PED cat. I	14564894
DN65	3.5 / 8.5	Red	Standard	PED cat. I	14564893
DN65	0.07 / 0.5	Green	Low pressure bonnet	PED cat. I	14564860
DN65	0.35 / 2	Green	Standard	PED cat. I	14564861
DN65	1.5 / 5.5	Blue	Standard	PED cat. I	14564862
DN80	1.5 / 5.5	Blue	Standard	PED cat. I	14564897
DN80	0.07 / 0.5	Green	Low pressure bonnet	PED cat. I	14564895
DN80	7 / 17	Black	Standard	PED cat. I	14564899
DN80	3.5 / 8.5	Red	Standard	PED cat. I	14564898
DN80	0.35 / 2	Green	Standard	PED cat. I	14564896
DN100	0.35 / 2	Green	Standard	PED cat. I	14564901
DN100	1.5 / 5.5	Blue	Standard	PED cat. I	14564902
DN100	0.07 / 0.5	Green	Low pressure bonnet	PED cat. I	14564900
DN100	3.5 / 8.5	Red	Standard	PED cat. I	14564903
DN100	7 / 17	Black	Standard	PED cat. I	14564904

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