



ADCA

“ADCATROL” Intermittent Blowdown Valves VPA 26

Description

The VPA26 blowdown valve was specially designed for application on steam boilers removing the concentrations of solids avoiding boiler damages, unstable water level control and other typical problems.

The valves are provided with a diaphragm actuator suitable for compressed air motive fluid.

The opening signal is supplied by an automatic intermittent control unit or manually (optional).

Connections are flanged or threaded on request.

Main Features

High quality hardened valve and seat.

Manual or automatic control.

Options:

- Air filter regulator
- Solenoid valve with cycling timer.
- Stainless steel construction.

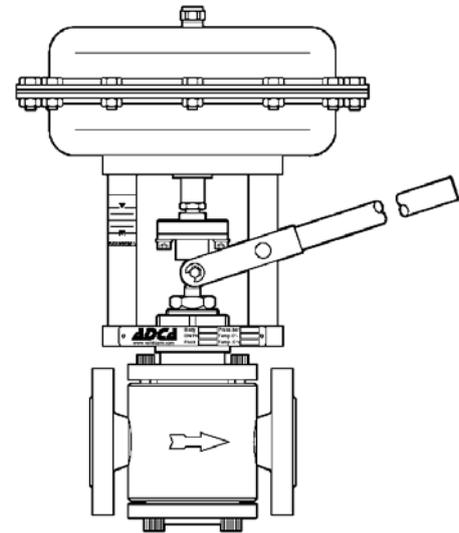
Use :

Intermittent blowdown of steam boilers.

AVAILABLE

- Models :** VPA 26
- Valve Sizes :** DN15 to DN50
- Connections :** Flanged DIN or ANSI
- Actuators :** PA-205; PA-280
- Actuator conn :** 1/4" NPT-F

How to select : Never size the valve according to the pipe diameter in which it has to be fitted but according to the required actual flow of steam or water. Refer to valve calculation data sheet or consult the factory.



Valve Limiting Body design conditions : PN40

Connections : 40 bar at 120 °C

32 bar at 239 °C

28 bar at 300 °C

Min. working temperature : -10 °C

Max. Air supply

Pressure : 3.5 bar

Ambient

Temperature : -20 °C ... +70 °C

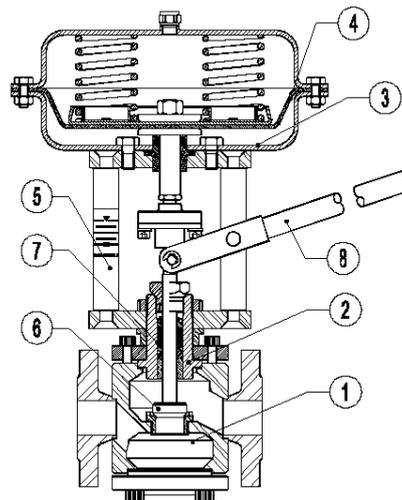
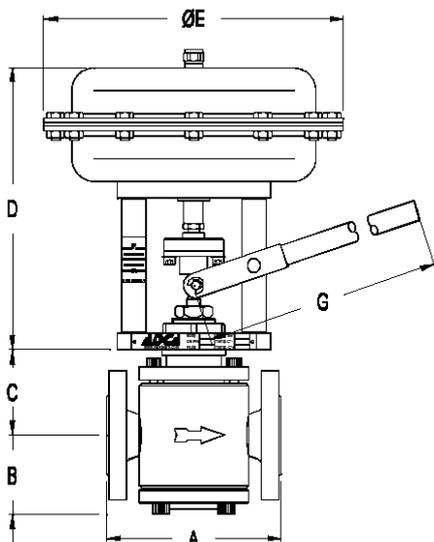
Stem Sealing : Graphite - up to 300 °C

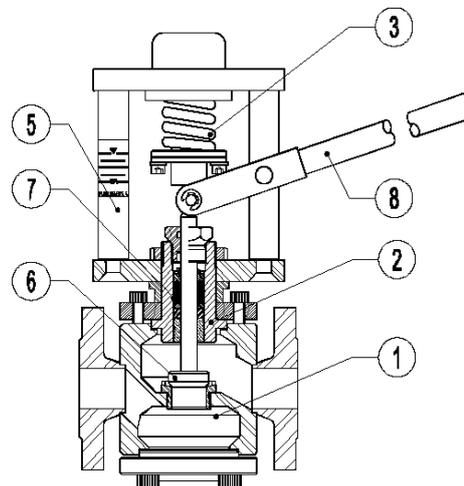
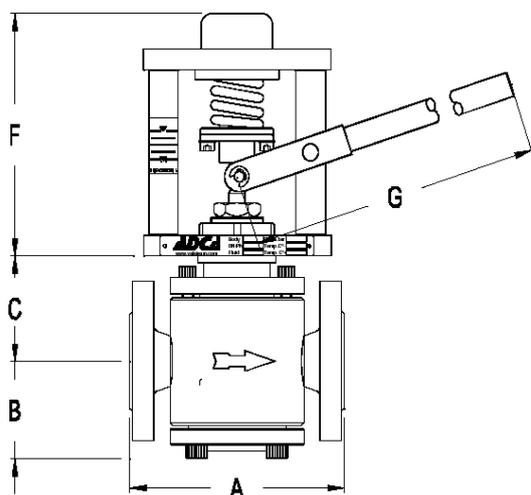
Plug types : On - Off (PT)

Port : Full port

CE Marking (PED-European Directive 97/23/EC)

PN40	Category
DN15 to DN32	SEP - art. 3. paragraph3 1 (CE Marked)
DN40 to DN50	





Dimensions - Valve Body				
DN	A (mm)	B (mm)	F (mm)	G (mm)
15	130	48	175	355
20	150	53	175	355
25	160	58	175	355
32	180	70	175	355
40	200	75	175	355
50	230	83	175	355

Materials

Pos.	Designation	Material
1	Valve Body	Steel
2	Bonnet	Steel
3	Actuator	Steel Fe4 10.1/St Steel
4	Diaphragm	NBR 70
5	Yoke	Carbon Steel/St. steel
6	Valve Seal	Hardened St. steel
7	Packing	Graphite

Dimensions - Actuator			
Type	E (mm)	D (mm)	
		DN15-100 DA/RA	DN125-200 DA
PA-205	210	235	N/A
PA-280	275	240	N/A

Flow rate coefficients												
sizes												
Kv	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
	3.8	5.1	9.4	15.4	22.2	40.1	-	-	-	-	-	-

Kv = flowrate in m3/h with 1 bar of differential pressure

Valve Stroke in mm												
sizes												
Stroke	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
	12	12	12	12	12	12	-	-	-	-	-	-

Max. Permissible Press. Drop in bar - Normally closed valve (fluid to close) - Reverse action actuator (air signal to open)													
Actuator (pressure)	Min. Air pressure	sizes											
		DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
PA-205 (0 - 1 bar)	3.5 bar	25	25	25	25	25	15	-	-	-	-	-	-
PA-280 (0 - 1 bar)	3.5 bar	-	-	-	-	-	25	-	-	-	-	-	-