



ADCA Pneumatic actuated control valve Type: 25821 Series: V16/2G Ductile iron Flange EN (DIN) PN16

Characteristics

Series: V16/2G
Type: 25821
Function: Control valve
Construction type: Straight
Housing material: Ductile cast iron
Material quality: EN-GJS-400-15
Surface protection: Standard manufacturers coating
Process connection: Flange
Standard connection: EN 1092-2
Ground characteristic: Equal percentage
Plug: Parabolic cone
Control range: 50:1
Leakage class: IV according IEC 60534-4
Stem seal type: Roof cuffs
Material bonnet: ASTM A216 WCB/1.0619
Material cone: Stainless steel 316L [1.4404]
Seat material: Stainless steel 316L [1.4404]
Spindle material: Stainless steel 316L [1.4404]
Primary spindle seal material: PTFE
Bonnet gasket material: Graphite
Type of actuator: Pneumatic
Function actuator: Spring closing
Positioner: ECON 3301
Control signal: 4 - 20 mA
With feedback signal: No
Explosion-proof: No
Level of protection (IP value): IP66
With end contacts: No
Position indicator: Yes
Manual operation: No
Medium temperature: -10 / 220 °C
Ambient temperature: -10 / 80 °C

Application

- Water, neutral liquids and gases.
- Steam.
- Thermo oil or volatile gases (with option stainless steel spindle bellows).

Technical Information

- Compact and modular design.
- Robust cone guide.
- 360° Rotatable actuator.
- Wide control range and control ratio 50:1.
- Low leakage rate - Class IV according to IEC 60534-4.
- Equiprocentual control characteristic.
- Pneumatic actuator with spring return.
- Econ® Series 3300 digital positioner.

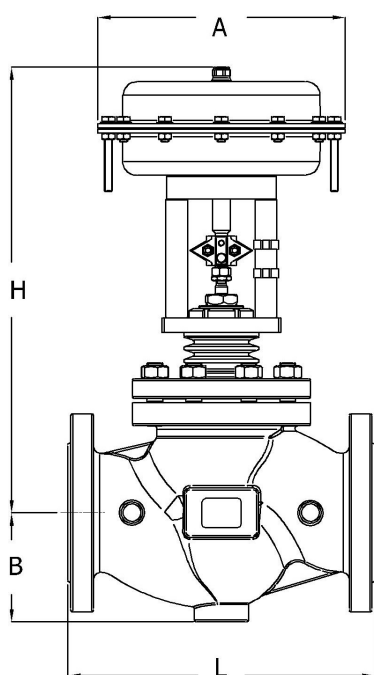
Approval

PED 2014/68/EU fluid group 2

- DN15 - DN50 ; Classification PED-SEP.
- DN65 - DN100 ; Classification PED-Cat.I [CE marking].

Options

- Stainless steel spindle bellows.
- Various sealing variants.
- Positioners with feedback 4 - 20 mA and HART.
- Body in steel or stainless steel, PN16 or PN40.
- Actuator in stainless steel.
- Electric actuator.



Size table:

DN	Actuator	A mm	H mm	L mm	Weight kg
DN15	PA10	170	407	130	15
DN20	PA10	170	408	150	16
DN25	PA10	170	418	160	17
DN32	PA10	170	430	180	20
DN32	PA25	250	439	180	24
DN40	PA25	250	448	200	26.5
DN50	PA25	250	470	230	30
DN65	PA25	250	536	290	45.5
DN65	PA40	300	601	290	54
DN80	PA40	300	617	310	60.5
DN100	PA40	300	649	350	73

Nominal inner diameter	Size process connection	Pressure rating	Pressure rating flange	Kvs value m³/h	Stroke mm	Type coding actuator	Diaphragm area cm²	Spring range	Closing pressure bar	Article
DN15	DN15	PN16	PN16	2.7	20	PA10	100	0.2 - 1.0 bar	16	14507607
DN15	DN15	PN16	PN16	4	20	PA10	100	0.2 - 1.0 bar	11.1	14507608
DN20	DN20	PN16	PN16	4	20	PA10	100	0.2 - 1.0 bar	11.1	14507609
DN20	DN20	PN16	PN16	6.3	20	PA10	100	1.2 - 2.0 bar	16	14507610
DN25	DN25	PN16	PN16	6.3	20	PA10	100	1.2 - 2.0 bar	16	14507611
DN25	DN25	PN16	PN16	10	20	PA10	100	1.2 - 2.0 bar	12.8	14507612
DN32	DN32	PN16	PN16	10	20	PA10	100	1.2 - 2.0 bar	12.8	14507613
DN32	DN32	PN16	PN16	16	20	PA25	250	0.4 - 2.0 bar	16	14507614
DN40	DN40	PN16	PN16	16	20	PA25	250	0.4 - 2.0 bar	16	14507615
DN40	DN40	PN16	PN16	25	20	PA25	250	1.0 - 2.0 bar	15.5	14507616
DN50	DN50	PN16	PN16	25	20	PA25	250	1.0 - 2.0 bar	15.5	14507617
DN50	DN50	PN16	PN16	40	20	PA25	250	2.0 - 4.0 bar	16	14507618
DN65	DN65	PN16	PN16	40	20	PA25	250	2.0 - 4.0 bar	16	14507619
DN65	DN65	PN16	PN16	63	30	PA40	400	2.0 - 4.0 bar	16	14507620
DN80	DN80	PN16	PN16	63	30	PA40	400	2.0 - 4.0 bar	16	14507621
DN80	DN80	PN16	PN16	100	30	PA40	400	2.0 - 4.0 bar	13.2	14507622
DN100	DN100	PN16	PN16	100	30	PA40	400	2.0 - 4.0 bar	13.2	14507623
DN100	DN100	PN16	PN16	160	30	PA40	400	2.0 - 4.0 bar	8.1	14507624

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.