ARI Pneumatic actuated control valve Type: 2581 Series: 12.440 Cast iron Flange EN (DIN) PN16

Characteristics

Series: 12.440
Type: 2581
Function: Control valve
Construction type: Straight
Housing material: Cast iron
Material quality: EN-JL1040
Surface protection: Paint min. 30 µm
Process connection: Flange
Standard connection: EN 1092-1/02
Pressure rating: PN16
Pressure rating flange: PN16
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: Ductile cast iron (EN-JS1049)
Material cone: Stainless steel 420 (1.4021)
Seat material: Stainless steel 420 (1.4021)
Spindle material: Stainless steel 420 (1.4021)
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
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 / 85 °C

Application

- Precise controlling of:Water.
- Steam.
- Coolant.
- Neutral fluids and gases.

Technical Information

- Economically proven design.
- Simple spindle guiding.
- Large and accurate control rang due to control ratio of 50:1.
- Various Kvs-values.
- Low leakage rate due to conical valve seal.
- Equal percentage control characteristic.
- Pneumatic DP® spring return actuator.
- Econ® series 3300 digital valve positioner.
- Manufacturers declaration regarding ATEX2014/34/EU available.

Options

- Various sealing variants.
- Positioner in explosion-proof version Ex-ia.
- Positioner with feedback 4 - 20 mA and HART.

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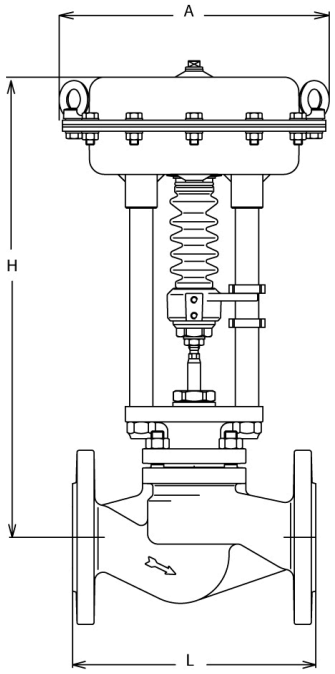

Size table:

DN	Actuator	A	H	L	Weight
		mm	mm	mm	kg
DN15	DP32	250	442	130	16
DN20	DP32	250	442	150	16
DN25	DP32	250	450	160	17
DN32	DP32	250	450	180	19
DN40	DP32	250	457	200	21
DN50	DP32	250	463	230	24
DN65	DP32	250	465	290	29
DN65	DP33	300	531	290	35
DN80	DP33	300	546	310	40
DN100	DP33	300	565	350	51
DN100	DP34	405	680	350	81

Nominal inner diameter	Size process connection	Kvs value	Stroke	Type coding actuator	Diaphragm area	Spring range	Max. pressure difference in opened position	Closing pressure	With feedback signal	Article
		m³/h	mm		cm²		bar	bar		
DN15	DN15	4	20	DP32	250	0.4 - 1.2 bar	10.7	10.7	No	13489136
DN20	DN20	4	20	DP32	250	0.4 - 1.2 bar	16	16	No	13490205
DN20	DN20	6.3	20	DP32	250	0.4 - 1.2 bar	16	16	No	12725942
DN25	DN25	6.3	20	DP32	250	0.4 - 1.2 bar	10.7	10.7	Yes	13491445
DN25	DN25	10	20	DP32	250	0.4 - 1.2 bar	10.7	10.7	No	12668878
DN25	DN25	10	20	DP32	250	0.4 - 1.2 bar	10.7	10.7	Yes	13492349
DN32	DN32	10	20	DP32	250	0.8 - 2.4 bar	16	16	No	13492247
DN32	DN32	16	20	DP32	250	0.4 - 1.2 bar	7.8	7.8	No	12725938
DN32	DN32	16	20	DP32	250	0.8 - 2.4 bar	16	16	No	13490204
DN32	DN32	16	20	DP32	250	0.8 - 2.4 bar	16	16	Yes	13491670
DN40	DN40	25	20	DP32	250	0.8 - 2.4 bar	11	11	No	12668879
DN40	DN40	25	20	DP32	250	0.8 - 2.4 bar	11	11	Yes	13496595
DN40	DN40	25	20	DP32	250	1.5 - 2.9 bar	16	16	No	13490511
DN40	DN40	25	20	DP32	250	1.5 - 2.9 bar	16	16	Yes	13491658
DN50	DN50	25	20	DP32	250	1.5 - 2.9 bar	15	15	No	13489138
DN50	DN50	40	20	DP32	250	0.8 - 2.4 bar	6.8	6.8	No	12725941
DN50	DN50	40	20	DP32	250	1.5 - 2.9 bar	15	15	No	13490331
DN50	DN50	40	20	DP32	250	1.5 - 2.9 bar	15	15	Yes	13491671
DN65	DN65	63	30	DP32	250	0.8 - 2.4 bar	3.7	3.7	No	13491529
DN65	DN65	63	30	DP33	400	0.8 - 2.4 bar	7	7	No	12725943
DN80	DN80	100	30	DP33	400	1.5 - 3.0 bar	4	9.6	No	12725937
DN100	DN100	160	30	DP33	400	1.5 - 3.0 bar	1.5	6	No	12725939
DN100	DN100	160	30	DP34	250	2.1 - 3.0 bar	1.5	16	No	13489299

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