



ARI Pneumatic actuated control valve Type: 2531 Series: 12.448 Cast iron Flange

Characteristics

Series: 12.448
Type: 2531
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
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: Steel [1.0619+N]
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
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 / 85 °C

Application

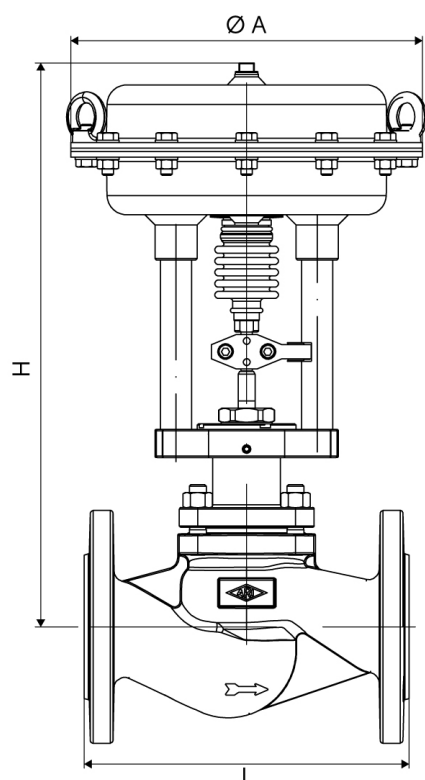
- Precise controlling of: Water.
- Steam.
- Coolant.
- Neutral fluids and gases.

Technical Information

- Compact and variable design.
- Robust cone guiding.
- 360° Rotatable actuator.
- Quick coupling between valve and actuator.
- Large and accurate control range 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.



Size table:

DN	Actuator	A mm	H mm	L mm	Weight kg
DN15	DP30	168	354	130	11
DN20	DP30	168	354	150	12
DN25	DP30	168	369	180	13
DN32	DP30	168	369	180	15
DN32	DP32	250	378	180	20
DN40	DP30	168	384	200	17
DN40	DP32	250	393	200	22
DN50	DP30	168	391	230	20
DN50	DP32	250	400	230	25
DN65	DP32	250	407	290	31
DN65	DP33	300	458	290	37
DN80	DP32	250	429	310	38
DN80	DP33	300	480	310	44
DN100	DP32	250	445	350	50
DN100	DP33	300	496	350	56
DN100	DP34	405	565	350	86

Nominal inner diameter	Size process connection	Pressure rating	Pressure rating flange	Kvs value m³/h	Stroke mm	Type coding actuator	Diaphragm area cm²	Max. pressure difference in opened position bar	Closing pressure bar	Article
DN15	DN15	PN16	PN16	0.1	10	DP30	80	16	16	13534084
DN15	DN15	PN16	PN16	0.16	10	DP30	80	16	16	13534085
DN15	DN15	PN16	PN16	0.25	10	DP30	80	16	16	13534086
DN15	DN15	PN16	PN16	0.4	10	DP30	80	16	16	13534087
DN15	DN15	PN16	PN16	0.63	10	DP30	80	16	16	13534088
DN15	DN15	PN16	PN16	1	10	DP30	80	16	16	13534089
DN15	DN15	PN16	PN16	1.6	10	DP30	80	16	16	13534090
DN15	DN15	PN16	PN16	2.5	10	DP30	80	16	16	13534091
DN15	DN15	PN16	PN16	4	10	DP30	80	16	16	13534092
DN20	DN20	PN16	PN16	0.1	10	DP30	80	16	16	13534093
DN20	DN20	PN16	PN16	0.16	10	DP30	80	16	16	13534094
DN20	DN20	PN16	PN16	0.25	10	DP30	80	16	16	13534095
DN20	DN20	PN16	PN16	0.4	10	DP30	80	16	16	13534096
DN20	DN20	PN16	PN16	0.63	10	DP30	80	16	16	13534097
DN20	DN20	PN16	PN16	1	10	DP30	80	16	16	13534098
DN20	DN20	PN16	PN16	1.6	10	DP30	80	16	16	13534099
DN20	DN20	PN16	PN16	2.5	10	DP30	80	16	16	13534100
DN20	DN20	PN16	PN16	4	10	DP30	80	16	16	13534101
DN20	DN20	PN16	PN16	6.3	10	DP30	80	16	16	13534102
DN25	DN25	PN16	PN16	1	10	DP30	80	16	16	13534103
DN25	DN25	PN16	PN16	1.6	10	DP30	80	16	16	13534104
DN25	DN25	PN16	PN16	2.5	10	DP30	80	16	16	13534105
DN25	DN25	PN16	PN16	4	10	DP30	80	16	16	13534106
DN25	DN25	PN16	PN16	6.3	10	DP30	80	16	16	13534107

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Nominal inner diameter	Size process connection	Pressure rating	Pressure rating flange	Kvs value m ³ /h	Stroke mm	Type coding actuator	Diaphragm area cm ²	Max. pressure difference in opened position bar	Closing pressure bar	Article
DN25	DN25	PN16	PN16	10	10	DP30	80	16	16	13534108
DN32	DN32	PN16	PN16	1	10	DP30	80	16	16	13534109
DN32	DN32	PN16	PN16	1.6	10	DP30	80	16	16	13534110
DN32	DN32	PN16	PN16	2.5	10	DP30	80	16	16	13534111
DN32	DN32	PN16	PN16	4	10	DP30	80	16	16	13534112
DN32	DN32	PN16	PN16	6.3	10	DP30	80	16	16	13534113
DN32	DN32	PN16	PN16	10	10	DP30	80	16	16	13534114
DN32	DN32	PN16	PN16	16	15	DP32	250	16	16	13534115
DN40	DN40	PN16	PN16	6.3	10	DP30	80	16	16	13534116
DN40	DN40	PN16	PN16	10	10	DP30	80	16	16	13534117
DN40	DN40	PN16	PN16	16	15	DP32	250	16	16	13534118
DN40	DN40	PN16	PN16	25	15	DP32	250	16	16	13534119
DN50	DN50	PN16	PN16	10	10	DP30	80	16	16	13534120
DN50	DN50	PN16	PN16	16	15	DP32	250	16	16	13534121
DN50	DN50	PN16	PN16	25	15	DP32	250	16	16	13534122
DN50	DN50	PN16	PN16	40	15	DP32	250	16	16	13534123
DN65	DN65	PN16	PN16	16	15	DP32	250	16	16	13534124
DN65	DN65	PN16	PN16	25	15	DP32	250	16	16	13534125
DN65	DN65	PN16	PN16	40	15	DP32	250	16	16	13534126
DN65	DN65	PN16	PN16	63	20	DP33	400	10	16	13534127
DN80	DN80	PN16	PN16	25	15	DP32	250	16	16	13534128
DN80	DN80	PN16	PN16	40	15	DP32	250	16	16	13534129
DN80	DN80	PN16	PN16	63	20	DP33	400	10	16	13534130
DN80	DN80	PN16	PN16	100	25	DP33	400	8	16	13534131
DN100	DN100	PN16	PN16	40	15	DP32	250	16	16	13534132
DN100	DN100	PN16	PN16	63	20	DP33	400	10	16	13534133
DN100	DN100	PN16	PN16	100	25	DP33	400	8	16	13534134
DN100	DN100	PN16	PN16	160	30	DP33	400	3	8	13534135
DN100	DN100	PN16	PN16	160	30	DP34	800	3	16	13534136

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