



ARI Pneumatic actuated control valve Type: 2532 Series: 25.448 Ductile cast iron Flange

Characteristics

Series: 25.448
Type: 2532
Function: Control valve
Construction type: Straight
Housing material: Ductile cast iron
Material quality: EN-JS1049
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

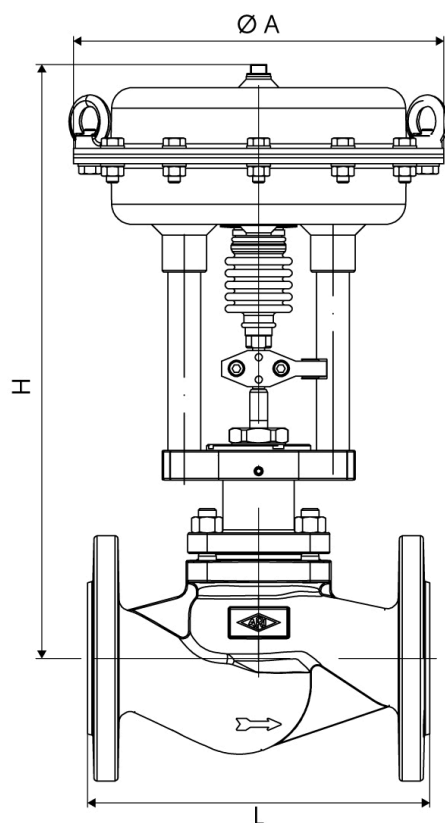
- Precise controlling of: Water.
- Steam.
- Coolant.
- Neutral fluids and gases.

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

- With a stainless steel spindle bellow suited for thermic oils and volatile gases.
- 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
DN80	DP34	405	549	310	74
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	PN40	PN40	0.1	10	DP30	80	40	40	13554477
DN15	DN15	PN40	PN40	0.16	10	DP30	80	40	40	13554478
DN15	DN15	PN40	PN40	0.25	10	DP30	80	40	40	13554479
DN15	DN15	PN40	PN40	0.4	10	DP30	80	40	40	13554480
DN15	DN15	PN40	PN40	0.63	10	DP30	80	40	40	13554481
DN15	DN15	PN40	PN40	1	10	DP30	80	40	40	13554482
DN15	DN15	PN40	PN40	1.6	10	DP30	80	40	40	13554483
DN15	DN15	PN40	PN40	2.5	10	DP30	80	40	40	13554484
DN15	DN15	PN40	PN40	4	10	DP30	80	40	40	13554485
DN20	DN20	PN40	PN40	0.1	10	DP30	80	40	40	13554486
DN20	DN20	PN40	PN40	0.16	10	DP30	80	40	40	13554487
DN20	DN20	PN40	PN40	0.25	10	DP30	80	40	40	13554488
DN20	DN20	PN40	PN40	0.4	10	DP30	80	40	40	13554489
DN20	DN20	PN40	PN40	0.63	10	DP30	80	40	40	13554490
DN20	DN20	PN40	PN40	1	10	DP30	80	40	40	13554491
DN20	DN20	PN40	PN40	1.6	10	DP30	80	40	40	13554492
DN20	DN20	PN40	PN40	2.5	10	DP30	80	40	40	13554493
DN20	DN20	PN40	PN40	4	10	DP30	80	40	40	13554494
DN20	DN20	PN40	PN40	6.3	10	DP30	80	40	40	13554495
DN25	DN25	PN40	PN40	1	10	DP30	80	40	40	13554496
DN25	DN25	PN40	PN40	1.6	10	DP30	80	40	40	13554497
DN25	DN25	PN40	PN40	2.5	10	DP30	80	40	40	13554498

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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	PN40	PN40	4	10	DP30	80	40	40	13554499
DN25	DN25	PN40	PN40	6.3	10	DP30	80	40	40	13554500
DN25	DN25	PN40	PN40	10	10	DP30	80	40	40	13554501
DN32	DN32	PN40	PN40	1	10	DP30	80	40	40	13554502
DN32	DN32	PN40	PN40	1.6	10	DP30	80	40	40	13554503
DN32	DN32	PN40	PN40	2.5	10	DP30	80	40	40	13554504
DN32	DN32	PN40	PN40	4	10	DP30	80	40	40	13554505
DN32	DN32	PN40	PN40	6.3	10	DP30	80	40	40	13554506
DN32	DN32	PN40	PN40	10	10	DP30	80	40	40	13554507
DN32	DN32	PN40	PN40	16	15	DP32	250	40	40	13554508
DN40	DN40	PN40	PN40	6.3	10	DP30	80	40	40	13554509
DN40	DN40	PN40	PN40	10	10	DP30	80	40	40	13554510
DN40	DN40	PN40	PN40	16	15	DP32	250	40	40	13554511
DN40	DN40	PN40	PN40	25	15	DP32	250	30	40	13554512
DN50	DN50	PN40	PN40	10	10	DP30	80	40	40	13554513
DN50	DN50	PN40	PN40	16	15	DP32	250	40	40	13554514
DN50	DN50	PN40	PN40	25	15	DP32	250	30	40	13554515
DN50	DN50	PN40	PN40	40	15	DP32	250	28	28	13554516
DN65	DN65	PN25	PN25	16	15	DP32	250	25	25	13554517
DN65	DN65	PN25	PN25	25	15	DP32	250	25	25	13554518
DN65	DN65	PN25	PN25	40	15	DP32	250	25	25	13554519
DN65	DN65	PN25	PN25	63	20	DP33	400	10	25	13554520
DN80	DN80	PN25	PN25	25	15	DP32	250	25	25	13554521
DN80	DN80	PN25	PN25	40	15	DP32	250	25	25	13554522
DN80	DN80	PN25	PN25	63	20	DP33	400	10	25	13554523
DN80	DN80	PN25	PN25	100	25	DP33	400	8	16	13554524
DN80	DN80	PN25	PN25	100	25	DP34	800	8	25	13554525
DN100	DN100	PN25	PN25	40	15	DP32	250	25	25	13554526
DN100	DN100	PN25	PN25	63	20	DP33	400	10	25	13554527
DN100	DN100	PN25	PN25	100	25	DP33	400	8	16	13554528
DN100	DN100	PN25	PN25	100	25	DP34	800	8	25	13554529
DN100	DN100	PN25	PN25	160	30	DP33	400	3	8	13554530
DN100	DN100	PN25	PN25	160	30	DP34	800	3	17	13554531

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