



ARI Globe valve Type 2577 series 23.405 ductile iron pneumatic flange EN (DIN) PN16/PN25

Characteristics

Series: 23.405
Type: 2577
Function: Two-way valve
Norm: EN (DIN)
Construction type: Straight
Housing material: Ductile cast iron
Material quality: EN-JS1049
Process connection: Flange
Standard connection: EN 1092-2
Flange finish: Raised face
Face to Face norm: EN 558, Series 1
Type of disc: Fixed disc
Actuation: Pressure below the valve
Type of actuator: Pneumatic membrane
Function actuator: Spring closing
Position indicator: Yes
Emergency manual operation: No
Stem seal type: Roof cuffs
Primary spindle seal material: PTFE
Material disc: 1.4021+QT
Seat material: 1.4021+QT
Spindle material: 1.4021+QT
Material bonnet: EN-JS1049
Bonnet gasket material: Graphite
Surface protection: Paint min. 30 µm
Medium temperature: -10 / 220 °C
Ambient temperature: -10 / 80 °C

Application

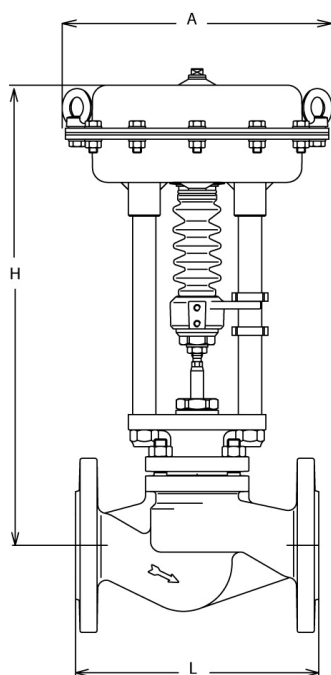
- Water.
- Refrigerant.
- Neutral liquids
- Steam.
- Neutral gases.

Technical Information

- Pneumatic actuator with spring reset functionality.
- Leakage class A in accordance with DIN EN 12266.
- Options structure according to NAMUR DIN IEC 60534-6.
- Factory declaration ATEX2014/34/EU available.

Options

- Different seal variants.
- PTFE valve ring for even better sealing up to a maximum of 200°C.
- Housing made of cast iron, steel or stainless steel, type 2576, 2578, 2579 respectively.
- Spring opening actuator.
- Mechanical or inductive limit switch.
- With stainless steel stem bellows, suitable for thermal oil or volatile gases.



Size table:

DN	Actuator	A mm	c	H mm	L mm	Weight kg
DN15	DP32	250	1/4" BSP	411	130	13
DN20	DP32	250	1/4" BSP	411	150	13
DN25	DP32	250	1/4" BSP	439	160	14
DN32	DP32	250	1/4" BSP	440	180	16
DN100	DP34	405	3/8" BSP	681	350	78
DN40	DP32	250	1/4" BSP	446	200	18
DN50	DP32	250	1/4" BSP	452	230	21
DN50	DP33	300	1/4" BSP	504	230	27
DN65	DP33	300	1/4" BSP	531	290	32
DN65	DP32	250	1/4" BSP	465	290	26
DN80	DP33	300	1/4" BSP	547	310	37
DN80	DP34	405	3/8" BSP	644	310	67

Size process connection	Pressure rating	Kv value m³/h	Closing pressure bar	Max. pressure difference in opened position bar	Type coding actuator	Diaphragm area cm²	Pilot pressure	End contacts	Actuator material	Article
DN15	PN25	4.2	25	2	DP32	250	1.4 to 6 bar	2 x Mechanical	Steel	14242994
DN15	PN25	4.2	25	2	DP32	250	1.4 to 6 bar	None	Steel	13417107
DN20	PN25	7.4	25	2	DP32	250	1.4 to 6 bar	2 x Mechanical	Steel	14421299
DN20	PN25	7.4	25	2	DP32	250	1.4 to 6 bar	2 x PNP 3-wire NO M12	Steel	13467108
DN20	PN25	7.4	25	2	DP32	250	1.4 to 6 bar	None	Steel	14282136
DN25	PN25	12	22.4	2	DP32	250	1.4 to 6 bar	2 x Mechanical	Steel	14058455
DN25	PN25	12	22.4	2	DP32	250	1.4 to 6 bar	2 x PNP 3-wire NO M12	Steel	13467109
DN25	PN25	12	22.4	2	DP32	250	1.4 to 6 bar	None	Steel	14032155
DN32	PN25	19	14.3	2	DP32	250	1.4 to 6 bar	2 x Mechanical	Steel	14421300
DN32	PN25	19	14.3	2	DP32	250	1.4 to 6 bar	None	Steel	13417072
DN100	PN25	188	16.2	1.5	DP34	800	3.3 - 6 bar	2 x Mechanical	Steel	14421304
DN40	PN25	31	25	2	DP32	250	3.2 - 6 bar	2 x Mechanical	Steel	13538138
DN40	PN25	31	25	2	DP32	250	3.2 - 6 bar	2 x PNP 3-wire NO M12	Steel	13467110
DN40	PN25	31	25	2	DP32	250	3.2 - 6 bar	None	Steel	13417066
DN50	PN25	47	15.3	2	DP32	250	3.2 - 6 bar	2 x Mechanical	Steel	13538620
DN50	PN25	47	15.3	2	DP32	250	3.2 - 6 bar	2 x PNP 3-wire NO M12	Steel	13467111
DN50	PN25	47	15.3	2	DP32	250	3.2 - 6 bar	None	Steel	13417070
DN50	PN25	47	22.3	2	DP32	250	4.1 - 6 bar	None	Steel	13417104
DN50	PN25	47	23.2	2	DP33	400	2.7 - 5 bar	None	Steel	13417103
DN65	PN16	77	13	2	DP33	400	3.3 - 6 bar	2 x Mechanical	Steel	14421301
DN65	PN16	77	13	2	DP33	400	3.3 - 6 bar	None	Steel	14282137

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Size process connection	Pressure rating	Kv value m ³ /h	Closing pressure bar	Max. pressure difference in opened position bar	Type coding actuator	Diaphragm area cm ²	Pilot pressure	End contacts	Actuator material	Article
DN65	PN25	77	10.1	2	DP32	250	4.1 - 6 bar	2 x PNP 3-wire NO M12	Steel	13467112
DN65	PN25	77	13	2	DP33	400	3.3 - 6 bar	2 x Mechanical	Steel	14421302
DN65	PN25	77	13	2	DP33	400	3.3 - 6 bar	None	Steel	13417111
DN80	PN25	120	12.2	2	DP33	400	4.5 - 6 bar	2 x Mechanical	Steel	14421303
DN80	PN25	120	12.2	2	DP33	400	4.5 - 6 bar	None	Steel	14282138
DN80	PN25	120	20.9	2	DP34	800	2.7 - 6 bar	None	Steel	13417069
DN100	PN25	188	16.2	1.5	DP34	800	3.3 - 6 bar	None	Steel	14282139

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