



ARI Bellows sealed valve Type 2511 series 35.146 steel flange EN (DIN) PN40

Characteristics

Function: Two-way valve
Norm: EN (DIN)
Construction type: Straight
Housing material: Steel
Material quality: 1.0619+N
Process connection: Flange
Standard connection: EN 1092-1
Flange finish: Raised face
Face to Face norm: EN 558, Series 1
Type of disc: Plug with marginal seat
Actuation: Pressure below the valve
Type of actuator: Pneumatic membrane
Function actuator: Spring closing
Position indicator: Yes
Emergency manual operation: No
Stem seal type: Bellows
Primary spindle seal material: 1.4571
Secondary spindle seal material: Graphite
Material disc: 1.4021+QT
Seat material: 1.4551
Spindle material: 1.4571
Bellows material: 1.4571
Material bonnet: 1.0619+N
Bonnet gasket material: Graphite
Surface protection: Paint min. 30 µm

Technical Information

- Bellows shielded for pressure impulses.
- Double-walled stainless steel stem bellows up to 250°C.
- At least 10,000 operations.
- Spindle with "rear seat".
- Chambered cover seal.
- Complete stop bus as back up.
- Checked for leak-tightness by TA Luft.
- Control air connection FA160/FA250/FA400 in G 1/4".
- Control air connection FA800 in G 3/8".

Options

- Flanged connection PN25.
- Version in accordance with ASME, class 150 or 300.
- Spring opening actuator.
- Stellated valve and seat.
- 3/2-way control valve for direct mounting.
- Mechanical or electronic end position signalling system.
- Speed control valve.
- Filter reducing station with pressure gauge.

Application

- Cooling water.
- Refrigerant.
- Warm and hot water.
- Steam.
- Gas.
- Thermal oil.
- Volatile gases.

Size process connection	Pressure rating	Kv value m³/h	Closing pressure bar	Type coding actuator	Diaphragm area cm²	Pilot pressure	End contacts	Actuator material	Medium temperature °C	Article
DN15	PN40	4.7	40	FA160	160	4 - 6 bar	No	Steel	-40 / 250	13453608
DN20	PN40	6.4	40	FA160	160	4 - 6 bar	No	Steel	-40 / 250	13453609
DN25	PN40	11	26.7	FA160	160	4 - 6 bar	No	Steel	-40 / 250	13453607
DN32	PN40	15.5	18	FA160	160	4 - 6 bar	No	Steel	-40 / 250	13453610
DN32	PN40	15.5	40	FA250	250	4.5 - 6 bar	No	Steel	-40 / 250	13453611
DN40	PN40	28	20.5	FA250	250	4.5 - 6 bar	No	Steel	-40 / 250	13453612
DN40	PN40	28	40	FA400	400	4.5 - 6 bar	No	Steel	-40 / 250	13453623
DN50	PN40	42.5	11.1	FA250	250	4.5 - 6 bar	No	Steel	-40 / 250	13453624
DN65	PN40	75	1.6	FA250	250	4.5 - 6 bar	No	Steel	-40 / 250	13453625
DN65	PN40	75	14.8	FA400	400	4.5 - 6 bar	No	Steel	-40 / 250	13453626

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Size process connection	Pressure rating	Kv value m³/h	Closing pressure bar	Type coding actuator	Diaphragm area cm²	Pilot pressure	End contacts	Actuator material	Medium temperature °C	Article
DN80	PN40	105	6.5	FA400	400	4.5 - 6 bar	No	Steel	-40 / 250	13453627
DN100	PN40	170	1.4	FA400	400	4.5 - 6 bar	No	Steel	-40 / 250	13453628
DN100	PN40	170	17.4	FA800	800	5 - 6 bar	No	Steel	-40 / 250	13453629
DN125	PN40	270	8.9	FA800	800	5 - 6 bar	No	Steel	-40 / 250	13453630
DN150	PN40	405	4.3	FA800	800	5 - 6 bar	No	Steel	-40 / 250	13453631

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