



JC Ball valve Series: 516AIT/540AIT Type: 3191 Steel Fire safe Pneumatic operated Double acting Flange PN16/40

Mounted, pneumatically operated 2-way ball valve, consisting of: Two-piece JC ball valve (type: 3191) and double-acting pneumatic AMG actuator (type: 7972).

The pneumatically operated 2-way ball valve is configured on the basis of the following setup: Pneumatic pilot pressure at 6 bar, medium is water, medium temperature is max. 100°C, ball valve is actuated at least a few times daily, actuator structure according to Eriks standard.

Characteristics

Series: 516AIT/540AIT

Type: 3191

Norm: EN [DIN]

Construction type: 2-way

Housing construction: 2-part

Housing material: Steel

Material quality: 1.0619

Connection: Flange

Actuator: Pneumatic operated

Operating principle: Double acting

Top flange standard: ISO 5211

Secondary spindle seal material: FPM (FKM)

Tertiary spindle seal material: Graphite

Body seal: SWG 316L/PTFE/Graphite

Actuator material: Aluminum anodized

Minimum medium temperature (continuous): -20 °C

Fire safe: Yes

Application

- Heavy-duty industrial applications up to 16 or 40 bar.
- Recommended in: Chemical

Technical Information

- Flanged connection in accordance with EN 1092-1.
- Floating ball.
- Pressure rating PN16 or PN40.
- With top-flange in accordance with ISO 5211.
- Media temperature: -29/+230°C.
- The actuator can be fitted with a multifunctional position indicator suitable for mechanical limit switches or double proximity sensors.
- Air supply and upper flanged connection of actuator in accordance with NAMUR VDI/VDE 3845.

Construction

- Two-piece housing construction.
- Design in accordance with EN 12516 and EN 1983.
- Full flow capacity.
- Equipped with antistatic design between ball and housing.
- According to NACE MR0175/ISO 15156 & AMP, NACE MR0103/ISO 17945.
- Construction length in accordance with EN 558, series 27.

Approval

- Fire-safe certified in accordance with ISO 10497, API 6FA and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1 [VDI 2440], class B, and optionally according to ISO 15848-1, class A, with double spindle seal.
- Safety class of ball valve in accordance with IEC 61508 SIL 3.
- Safety class of actuator in accordance with IEC 61508 SIL 2 [SIL 3 for redundant configuration].

Options

- With pneumatic single-acting actuator.
- Position feedback.
- Pressure-relief seats or a pressure-relief hole in the ball.
- Dead space – free seats.
- Stainless steel extended spindle.
- Other seat materials.

Nominal inner diameter	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Bore	Material ball	Seat material	Spindle material	Primary spindle seal material	Article
DN15	PN40	EN 558, Series 27	SAD05	AMG	Full bore	1.4401	PTFE	1.4401	RPTFE	10054598

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Ball Valves | Automated ball valves with flange connection

Nominal inner diameter	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Bore	Material ball	Seat material	Spindle material	Primary spindle seal material	Article
DN20	PN40	EN 558, Series 27	SAD05	AMG	Full bore	1.4401	PTFE	1.4401	RPTFE	10054599
DN25	PN40	EN 558, Series 27	SAD10	AMG	Full bore	1.4401	PTFE	1.4401	RPTFE	10054600
DN32	PN40	EN 558, Series 27	SAD10	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054601
DN40	PN40	EN 558, Series 27	SAD15	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054602
DN40	PN40	EN 558, Series 27	SAD20	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	11150798
DN50	PN40	EN 558, Series 27	SAD15	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054603
DN65	PN16	EN 558, Series 27	SAD20	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054610
DN80	PN40	EN 558, Series 27	SAD20	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054620
DN100	PN16	EN 558, Series 27	SAD25	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054611
DN125	PN16	EN 558, Series 27	SAD30	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054612
DN150	PN16	EN 558, Series 27	SAD30	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054613
DN200	PN16	EN 558, Series 27	SAD35	AMG	Full bore	1.4408	PTFE	1.4401	RPTFE	10054614

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