



ECON® 3-Way ball valve Type: 7760ES Stainless steel Pneumatic operated Single acting, spring closing Internal thread (BSPP) 1000 PSI WOG



Mounted, pneumatically operated 3-way ball valve, consisting of: Econ® ball valve (type: 7760) and single-acting pneumatic Econ® actuator (type: 7901).

The pneumatically operated 3-way ball valve is configured according to the following basic principles: 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

Type: 7760ES
Norm: EN (DIN)
Construction type: 3-way
Housing material: Stainless steel
Material quality: 1.4408
Connection: Internal thread (BSPP)
Actuator: Pneumatic operated
Operating principle: Single acting, spring closing
Top flange standard: ISO 5211 Direct Mount
Angular rotation: 90 °
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Body seal: PTFE
Actuator material: Aluminium

Application

- Compressed air, central heating systems, water, fuel and slightly corrosive systems up to a maximum of 68 bar.
- Recommended in: Food & Beverages

Technical Information

- Connection according to ISO 228-1 BSPP.
- Floating ball with L or T bore
- Pressure class 1000 PSI WOG
- In sizes 0.25 inches.
- The 3-way ball valve (floating ball) is intended to be used as a distribution valve. Pressure on the "closed" outlet may lead to leakages at the other outlets [medium].
- Actuator with multifunctional position indicator, suitable for mechanical limit switches or double proximity sensors.
- Air supply and upper flanged connection of drive in accordance with NAMUR VDI/VDE 3845.

Construction

- Design in accordance with MSS SP-110.
- Reduced bore.
- Equipped with anti-static design between ball, spindle and housing.

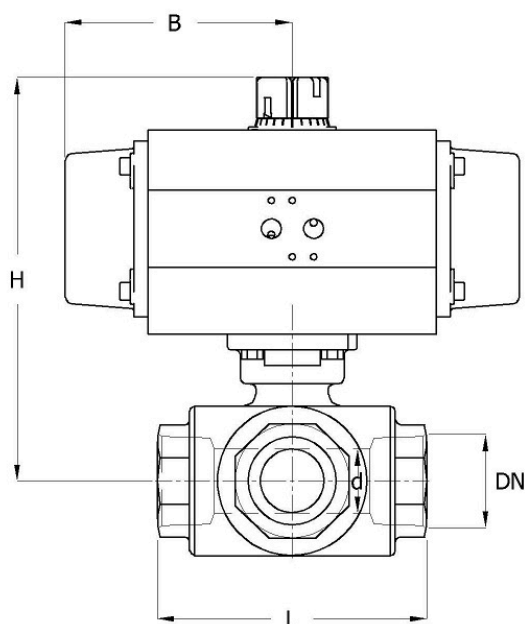
Approval

- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.

Options

- With double acting pneumatic drive, type 7760ED
- End of service life signalling through switch box or double sensor, type 79650 to 79659
- Positioner, type 3303
- Namur control valve, type 33580
- Stainless-steel extended spindle for insulation (type 8007)
- Connection in NPT according to ASME B1.20.1.

Ball Valves | Automated ball valves with threaded connection



Size table:

DN	d mm	L mm	H mm	B mm	Weight kg
1/4" [8]	11	79	157	97.5	3.2
3/8" [10]	11	79	157	97.5	3.1
1/2" [15]	11	79	157	97.5	3.1
3/4" [20]	15	88	164	97.5	3.4
1" [25]	20	108	197	108.5	5.6
1.1/4" [32]	25	124	200	108.5	6.7
1.1/2" [40]	32	135	221	128	9
2" [50]	40	164	248	149.5	14.3

Pressure and temperature range							
Size	Temperature range	-29	38	100	150	200	[°C]
1/4" - 2"	-29°C/+200°C	68	68	44	22	1	[bar]
Pressure class 1000 PSI WOG							

Nominal inner diameter	Standard thread connection	Pressure rating	Type coding actuator	Brand actuator	Ball bore	Bore	Material ball	Seat material	Spindle material	Article
1/4" [8]	ISO 228-1	1000 PSI WOG	SR40	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533594
1/4" [8]	ISO 228-1	1000 PSI WOG	SR40	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533602
3/8" [10]	ISO 228-1	1000 PSI WOG	SR40	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533603
3/8" [10]	ISO 228-1	1000 PSI WOG	SR40	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533595
1/2" [15]	ISO 228-1	1000 PSI WOG	SR40	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533604
1/2" [15]	ISO 228-1	1000 PSI WOG	SR40	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533596
3/4" [20]	ISO 228-1	1000 PSI WOG	SR40	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533597
3/4" [20]	ISO 228-1	1000 PSI WOG	SR40	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533605
1" [25]	ISO 228-1	1000 PSI WOG	SR80	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533598
1" [25]	ISO 228-1	1000 PSI WOG	SR80	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533606
1.1/4" [32]	ISO 228-1	1000 PSI WOG	SR80	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533599
1.1/4" [32]	ISO 228-1	1000 PSI WOG	SR80	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533607
1.1/2" [40]	ISO 228-1	1000 PSI WOG	SR130	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533608
1.1/2" [40]	ISO 228-1	1000 PSI WOG	SR130	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533600
2" [50]	ISO 228-1	1000 PSI WOG	SR200	ECON	T-bore	Reduced bore	1.4408	RPTFE	1.4401	12533609
2" [50]	ISO 228-1	1000 PSI WOG	SR200	ECON	L-bore	Reduced bore	1.4408	RPTFE	1.4401	12533601

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.