ECON® Ball valve Type: 7444ES Stainless steel Pneumatic operated Single acting, spring closing Internal thread (BSPP) 1000 PSI WOG

Mounted pneumatically operated 2-way ball valve consisting of: Three-piece Econ® ball valve (type: 7444) and single-acting pneumatic Econ® actuator (type: 7901).

The pneumatically operated 2-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: 7444ES
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 3-part
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
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: PTFE
Body seal: PTFE
Actuator material: Aluminium
Minimum medium temperature (continuous): -29 °C
Maximum medium temperature (continuous): 205 °C

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.
- Pressure class 1000 PSI WOG
- In sizes 0.25-4 inches.
- 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

- Three-piece housing construction.
- Design of the ball valve as per MSS SP-110
- Full 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.
- Declaration of conformity according to EC 1935/2004.

Options

- With double acting pneumatic drive, type 7444ED
- 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.

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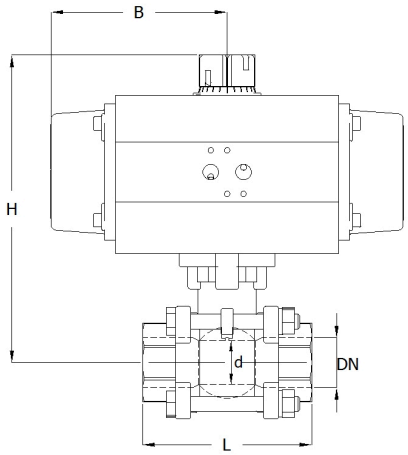

Size table:

DN	d	L	H	B	Weight
	mm	mm	mm	mm	kg
1/4" [8]	10.6	75	138	81.5	2.1
3/8" [10]	12.7	75	138	81.5	2.1
1/2" [15]	15	75	138	81.5	2.2
3/4" [20]	20	80	145	81.5	2.4
1" [25]	25	90	174	97.5	3.7
1.1/4" [32]	32	110	200	108.5	5.7
1.1/2" [40]	38	120	208	108.5	6.7
2" [50]	50	140	243	149.5	11.6
2.1/2" [65]	63.5	185.5	282	174.5	19
3" [80]	76	250	308	198.5	26.6
4" [100]	100	240	361	236.5	44.3

Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Bore	Material ball	Seat material	Spindle material	Article
1/4" [8]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR20	ECON	Full bore	1.4408	PTFE	1.4401	12533480
3/8" [10]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR20	ECON	Full bore	1.4408	PTFE	1.4401	12533481
1/2" [15]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR20	ECON	Full bore	1.4408	PTFE	1.4401	12533482
3/4" [20]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR20	ECON	Full bore	1.4408	PTFE	1.4401	12533483
1" [25]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR40	ECON	Full bore	1.4408	PTFE	1.4401	12533484
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR80	ECON	Full bore	1.4408	PTFE	1.4401	12533485
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR80	ECON	Full bore	1.4408	PTFE	1.4401	12533486
2" [50]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR200	ECON	Full bore	1.4408	PTFE	1.4401	12533487
2.1/2" [65]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR300	ECON	Full bore	1.4408	PTFE	1.4401	12533488
3" [80]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR500	ECON	Full bore	1.4408	PTFE	1.4401	12533489
4" [100]	ISO 228-1	1000 PSI WOG	Manufacturer standard	SR850	ECON	Full bore	1.4408	PTFE	1.4401	12533490

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PR_EC011343_0008_EN_21.05.2024