



ECON® Ball valve Type: 7444ED Stainless steel Pneumatic operated Double acting Internal thread (BSPP) 1000 PSI WOG



Mounted, pneumatically operated 2-way ball valve, consisting of: Three-piece Econ® ball valve [type: 7444] and double-acting pneumatic Econ® actuator [type: 7902].

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: 7444ED
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: Double acting
Top flange standard: ISO 5211 Direct Mount
Spindle material: 1.4401
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: PTFE
Body seal: PTFE
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

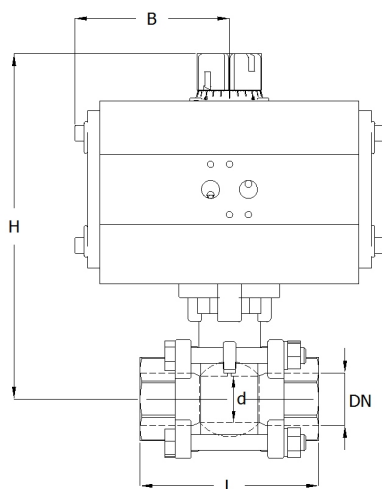
- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.
- Declaration of conformity according to EC 1935/2004.

Options

- With single acting pneumatic drive, type 7444ES
- End of service life signalling through switch box or double sensor, type 79650 to 79659
- Positioner, type 3304
- 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]	10.6	75	138	72.5	2
3/8" [10]	12.7	75	138	72.5	2
1/2" [15]	15	75	138	72.5	2.1
3/4" [20]	20	80	145	72.5	2.3
1" [25]	25	90	155	72.5	2.8
1.1/4" [32]	32	110	178	78	4.1
1.1/2" [40]	38	120	186	78	5.1
1.1/2" [40]	38	120	208	88.5	6
2" [50]	50	140	215	88.5	7.3
2.1/2" [65]	63.5	185.5	247	98	12
3" [80]	76	250	274	112.5	16.8
4" [100]	100	240	322	136.5	30.6

Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Type coding actuator	Brand actuator	Bore	Material ball	Seat material	Actuator material	Article
1/4" [8]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	Aluminium	12533502
3/8" [10]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	Aluminium	12533503
1/2" [15]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	Aluminium	12533504
1/2" [15]	ISO 228-1	1000 PSI WOG	Manufacturer standard	EP05	ECON	Full bore	1.4408	PTFE		12051752
3/4" [20]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	Aluminium	12533505
1" [25]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA20		Full bore	1.4408	PTFE		12051756
1" [25]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	Aluminium	12533506
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA40	ECON	Full bore	1.4408	PTFE	Aluminium	12533507
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Manufacturer standard	EP15	ECON	Full bore	1.4408	PTFE		12051757
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA40	ECON	Full bore	1.4408	PTFE	Aluminium	12051758
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA80	ECON	Full bore	1.4408	PTFE	Aluminium	12533508
2" [50]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA80	ECON	Full bore	1.4408	PTFE	Aluminium	12533509
2" [50]	ISO 228-1	1000 PSI WOG	Manufacturer standard	EP20	ECON	Full bore	1.4408	PTFE		12051759
2.1/2" [65]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA130	ECON	Full bore	1.4408	PTFE	Aluminium	12533510
3" [80]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA200	ECON	Full bore	1.4408	PTFE	Aluminium	12533511
4" [100]	ISO 228-1	1000 PSI WOG	Manufacturer standard	DA300	ECON	Full bore	1.4408	PTFE	Aluminium	12533512

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