



ECON® Ball valve Type: 7644ED Stainless steel Pneumatic operated Double acting Butt weld B16.25 S40 1000 PSI WOG



Mounted, pneumatically operated 2-way ball valve, consisting of: Three-piece Econ® ball valve [type: 7644] 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: 7644ED
Norm: ASME
Construction type: 2-way
Housing construction: 3-part
Housing material: Stainless steel
Material quality: 1.4408
Connection: Butt weld
Standard welding connection: B16.25 S40
Actuator: Pneumatic operated
Operating principle: Double acting
Top flange standard: ISO 5211 Direct Mount
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.

Technical Information

- Connection according to ASME B16.25, Schedule 40 [butt-welding]
- 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.

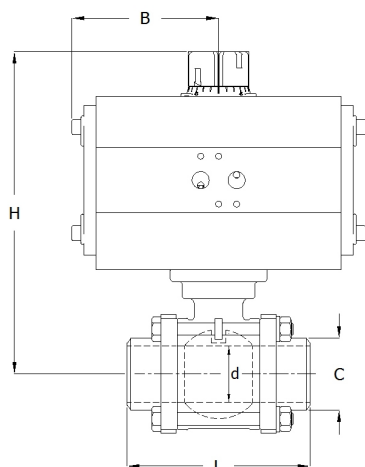
Approval

- 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 7644ES
- 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]

Size table:



DN	d mm	L mm	H mm	B mm	C mm	Weight kg
1/4" [8]	10.6	75	138	72.5	17.8	2.1
3/8" [10]	12.7	70	138	72.5	17.8	2
1/2" [15]	15	75	138	72.5	22	2.1
3/4" [20]	20	80	145	72.5	28.2	2.3
1" [25]	25	90	155	72.5	34	2.7
1.1/4" [32]	32	110	178	78	43.5	4.1
1.1/2" [40]	38	120	186	88.5	50.4	5.8
2" [50]	50	140	215	88.5	61.5	7.3
2.1/2" [65]	63.5	185.5	247	98	77.3	12
3" [80]	76	250	274	112.5	93	16.9
4" [100]	100	240	322	136.5	116	31

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
1/4" [8]	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533513
3/8" [10]	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533514
1/2" [15]	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533515
3/4" [20]	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533516
1" [25]	1000 PSI WOG	Manufacturer standard	DA20	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533517
1.1/4" [32]	1000 PSI WOG	Manufacturer standard	DA40	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533518
1.1/2" [40]	1000 PSI WOG	Manufacturer standard	DA80	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533519
2" [50]	1000 PSI WOG	Manufacturer standard	DA80	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533520
2.1/2" [65]	1000 PSI WOG	Manufacturer standard	DA130	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533521
3" [80]	1000 PSI WOG	Manufacturer standard	DA200	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533522
4" [100]	1000 PSI WOG	Manufacturer standard	DA300	ECON	Full bore	1.4408	PTFE	1.4401	PTFE	12533523

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