



ECON® 3-Way ball valve Type: 7760 Stainless steel Internal thread (BSPP) 1000 PSI WOG



Characteristics

Type: 7760
Norm: EN (DIN)
Construction type: 3-way
Housing material: Stainless steel
Material quality: 1.4408
Connection: Internal thread (BSPP)
Top flange standard: ISO 5211 Direct Mount
Angular rotation: 90 °
Seat material: RPTFE
Spindle material: 1.4401
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Body seal: PTFE
Actuator material: 1.4301
Minimum medium temperature (continuous): -29 °C
Maximum medium temperature (continuous): 200 °C
Maximum operating pressure [Bar]: 63 bar

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.
- With "direct mount" top-flange in accordance with ISO-5211.
- Cavity relief bore in the ball.
- Double self-adjusting gland packing in accordance with TA Luft regulations.
- Equipped with lockable lever.
- 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).

Construction

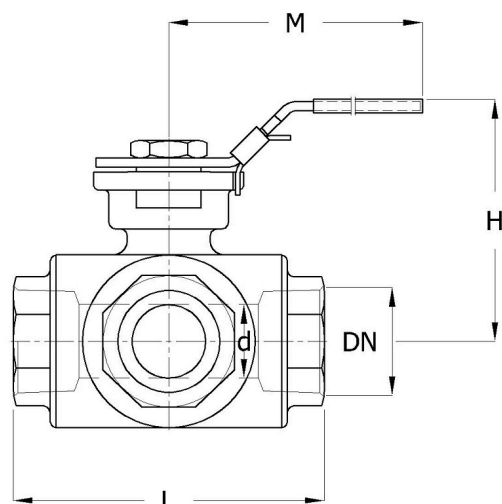
- Design in accordance with MSS SP-110.
- Reduced bore.
- Equipped with anti-static design between ball, spindle and housing.

Approval

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

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Stainless steel extended spindle, type 8007 for insulation.
- Connection in NPT according to ASME B1.20.1.



Size table:

DN	d mm	L mm	H mm	M mm	Weight kg
1/4" [8]	11	79	70	147	0.92
3/8" [10]	11	79	70	147	0.8
1/2" [15]	11	79	70	147	0.84
3/4" [20]	15	88	77	147	1.07
1" [25]	20	108	87	176.5	1.92
1.1/4" [32]	25	124	93	176.5	3.01
1.1/2" [40]	32	135	103	215	4.2
2" [50]	40	164	113	215	7.02

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	Manual operation	Mounting flange	Mounting flange 2	Ball bore	Bore	With locking device	Material ball	Article
1/4" [8]	ISO 228-1	1000 PSI WOG	Handle	F03	F04	L-bore	Reduced bore	Yes	1.4408	EC0776001/4-AABL
1/4" [8]	ISO 228-1	1000 PSI WOG	Handle	F03	F04	T-bore	Reduced bore	Yes	1.4408	EC0776001/4-AABT
3/8" [10]	ISO 228-1	1000 PSI WOG	Handle	F03	F04	T-bore	Reduced bore	Yes	1.4408	EC0776003/8-AABT
1/2" [15]	ISO 228-1	1000 PSI WOG	Handle	F03	F04	L-bore	Reduced bore	Yes	1.4408	EC0776001/2-AABL
1/2" [15]	ISO 228-1	1000 PSI WOG	Handle	F03	F04	T-bore	Reduced bore	Yes	1.4408	EC0776001/2-AABT
3/4" [20]	ISO 228-1	1000 PSI WOG	Handle	F03	F05	T-bore	Reduced bore	Yes	1.4408	EC0776003/4-AABT
3/4" [20]	ISO 228-1	1000 PSI WOG	Handle	F03	F05	L-bore	Reduced bore	Yes	1.4408	EC0776003/4-AABL
1" [25]	ISO 228-1	1000 PSI WOG	Handle	F04	F05	T-bore	Reduced bore	Yes	1.4408	EC077600001-AABT
1" [25]	ISO 228-1	1000 PSI WOG	Handle	F04	F05	L-bore	Reduced bore	Yes	1.4408	EC077600001-AABL
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Handle	F04	F07	L-bore	Reduced bore	Yes	1.4408	EC0776011/4A-ABL
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Handle	F04	F07	T-bore	Reduced bore	Yes	1.4408	EC0776011/4A-ABT
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Handle	F05	F07	T-bore	Reduced bore	Yes	1.4408	EC0776011/2-AABT
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Handle	F05	F07	L-bore	Reduced bore	Yes	1.4408	EC0776011/2-AABL
2" [50]	ISO 228-1	1000 PSI WOG	Handle	F05	F07	T-bore	Reduced bore	Yes	1.4408	EC077600002-AABT

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