

ECON® Ball valve Type: 74441 Steel Internal thread (BSPP) 1000 PSI WOG



Characteristics

Type: 74441

Norm: EN (DIN)

Construction type: 2-way

Housing construction: 3-part

Housing material: Steel

Material quality: 1.0619

Surface protection: Chemical blackened

Connection: Internal thread (BSPP)

Top flange standard: ISO 5211 Direct Mount

Seat material: TFM 4215

Spindle material: 1.4401

Primary spindle seal material: PTFE

Secondary spindle seal material: FPM (FKM)

Tertiary spindle seal material: PTFE

Body seal: PTFE

Actuator material: 1.4301

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 205 °C

Maximum operating pressure [Bar]: 63 bar

Application

- Steam/condensate systems up to 14 bar
- Particularly suitable for blocking steam traps

Technical Information

- Connection according to ISO 228-1 BSPP.
- Floating ball.
- Pressure class 1000 PSI WOG
- In sizes 1/4" up to 2".
- 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.

Construction

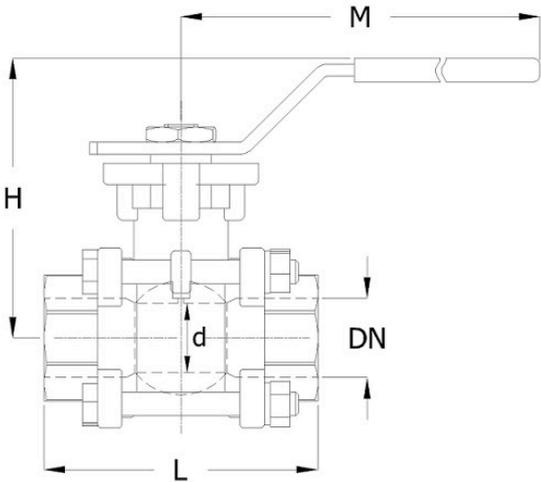
- Three-piece housing construction.
- Design in accordance with MSS SP-110.
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

Approval

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

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Stainless steel housing material, type 74442
- Stainless steel extended spindle type 8007 for insulation.



Size table:

DN	d	L	H	M	Weight
	mm	mm	mm	mm	kg
1/4" [8]	10.6	75	72	147	0.6
3/8" [10]	12.7	75	72	147	0.6
1/2" [15]	15	75	72	147	0.7
3/4" [20]	20	80	79	147	0.9
1" [25]	25	90	89	177	1.4
1.1/4" [32]	32	110	93	177	2
1.1/2" [40]	38	120	103	197	3
2" [50]	50	140	110	197	4.3

Pressure and temperature range								
Standard								
Steam table								
Size	Temperature range	-10	38	100	150	230	[°C]	
		1/4" - 2"					-10°/+230° C	68 68 44 22 1 [bar]
Size	Temperature range	150	160	170	180	195	[°C]	
1/4" - 2"	+150° C/+195° C	5	6	8	10	14	[bar abs]	

Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	With locking device	Material ball	Article
1/4" [8]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	12717010
3/8" [10]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	12717012
1/2" [15]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	12717014
3/4" [20]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F03	F05	Full bore	Yes	1.4301	12717015
1" [25]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F04	F05	Full bore	Yes	1.4301	12717017
1.1/4" [32]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F04	F07	Full bore	Yes	1.4301	12717018
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	1.4301	12717020
2" [50]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	1.4301	12717021

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