



## ECON® Ball valve Type: 7752 Stainless steel Internal thread (NPT) 1000 PSI WOG

### Characteristics

**Type:** 7752  
**Norm:** ASME  
**Construction type:** 2-way  
**Housing construction:** 2-part  
**Housing material:** Stainless steel  
**Material quality:** 1.4408  
**Connection:** Internal thread (NPT)  
**Primary spindle seal material:** PTFE  
**Tertiary spindle seal material:** PTFE  
**Body seal:** PTFE  
**Actuator material:** 1.4301  
**Minimum medium temperature (continuous):** -10 °C  
**Maximum medium temperature (continuous):** 205 °C

### Application

- Light industrial applications up to 68 bar.

### Technical Information

- Connection according to ASME B1.20.1 NPT.
- Floating ball.
- Pressure class 1000 PSI WOG
- In sizes 0.25-3 inches
- Cavity relief bore in the ball.
- Equipped with lockable lever.

### Construction

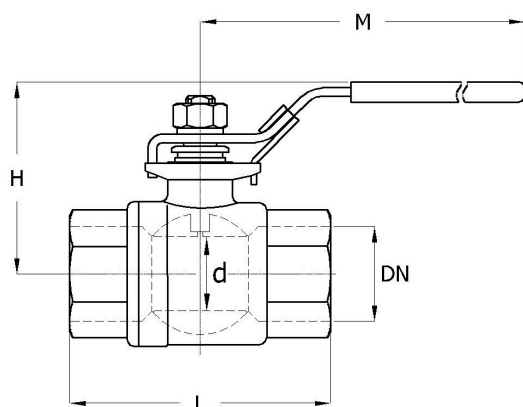
- Two-piece housing construction.
- Full bore.

### Options

- Connection in BSP according to ISO 228-1
- With "direct mount" top-flange in accordance with ISO 5211, type 7752ISO.

Size table:

| DN          | d<br>mm | L<br>mm | H<br>mm | M<br>mm | Weight<br>kg |
|-------------|---------|---------|---------|---------|--------------|
| 1/4" [8]    | 11      | 51.5    | 48      | 103     | 0.2          |
| 3/8" [10]   | 12.5    | 51.5    | 48      | 103     | 0.2          |
| 1/2" [15]   | 15      | 63.5    | 50      | 103     | 0.3          |
| 3/4" [20]   | 20      | 74      | 57      | 126     | 0.5          |
| 1" [25]     | 25      | 86      | 67      | 144     | 0.8          |
| 1.1/4" [32] | 32      | 98      | 72      | 144     | 1.2          |
| 1.1/2" [40] | 38      | 105.5   | 93      | 189     | 1.9          |
| 2" [50]     | 50      | 122     | 100     | 189     | 3            |
| 2.1/2" [65] | 63.5    | 159     | 126     | 223     | 6            |
| 3" [80]     | 76      | 182     | 136     | 223     | 9.8          |



Pressure and temperature range

| Size                        | Temperature range | -10 | 38 | 100 | 150 | 200 | [°C]  |
|-----------------------------|-------------------|-----|----|-----|-----|-----|-------|
| 1/4" - 2"                   | -10°C/+200°C      | 68  | 68 | 44  | 22  | 1   | [bar] |
| 2.1/2" - 3"                 | -10°C/+200°C      | 50  | 50 | 32  | 16  | 1   | [bar] |
| Pressure class 1000 PSI WOG |                   |     |    |     |     |     |       |

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| Nominal inner diameter | Standard thread connection | Pressure rating | Face to Face norm     | Manual operation | Bore      | With locking device | Material ball | Seat material | Spindle material | Article           |
|------------------------|----------------------------|-----------------|-----------------------|------------------|-----------|---------------------|---------------|---------------|------------------|-------------------|
| 1/4" [8]               | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC0775201/4L-M22G |
| 3/8" [10]              | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC0775203/8-LM22G |
| 1/2" [15]              | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC0775201/2L-M22G |
| 3/4" [20]              | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC0775203/4-LM22G |
| 1" [25]                | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC077520001-LM22G |
| 1.1/4" [32]            | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC0775211/4L-M22G |
| 1.1/2" [40]            | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC0775211/2L-M22G |
| 2" [50]                | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC077520002-LM22G |
| 2.1/2" [65]            | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC0775221/2L-M22G |
| 3" [80]                | ASME B1.20.1               | 1000 PSI WOG    | Manufacturer standard | Handle           | Full bore | Yes                 | 1.4408        | PTFE          | 1.4401           | EC077520003-LM22G |

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