



## ECON® Ball valve Type: 1602 Brass Internal thread (BSPP) PN30

### WARNING:

This ball valve has a short internal (female) thread and therefore cannot be combined with a tapered external (male) thread.

### Characteristics

**Type:** 1602

**Norm:** EN [DIN]

**Construction type:** 2-way

**Housing construction:** 2-part

**Housing material:** Brass

**Material quality:** CW617N

**Surface protection:** Nickel-plated

**Connection:** Internal thread [BSPP]

**Secondary spindle seal material:** HNBR

**Actuator material:** Steel, galvanized

### Application

- HVAC, water and compressed air systems.

### Technical Information

- Connections with female threads in accordance with EN-ISO 228-1.
- Ball valve with floating ball.
- Version with lever.
- Available in sizes ranging from 1/4" to 2".
- Pressure class PN30.

### Construction

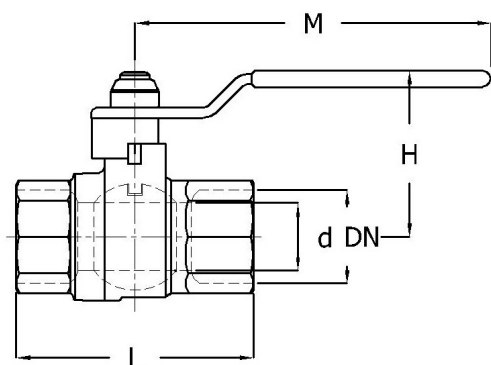
- Two-piece housing construction.
- Design in accordance with EN 13828.
- Full bore.
- Face-to-face dimension according to manufacturer's standard.

### Options

- Available with extended spindle for insulation.

Size table:

| DN          | d  | L     | H    | M   | Weight |
|-------------|----|-------|------|-----|--------|
|             | mm | mm    | mm   | mm  | kg     |
| 1/4" [8]    | 8  | 47.5  | 38   | 90  | 0.15   |
| 3/8" [10]   | 10 | 49.5  | 38   | 90  | 0.16   |
| 1/2" [15]   | 15 | 48    | 39.5 | 90  | 0.17   |
| 3/4" [20]   | 20 | 57    | 43   | 90  | 0.28   |
| 1" [25]     | 25 | 67    | 51.5 | 105 | 0.42   |
| 1.1/4" [32] | 32 | 78.5  | 60   | 105 | 0.74   |
| 1.1/2" [40] | 40 | 92    | 65.5 | 120 | 1.04   |
| 2" [50]     | 50 | 106.5 | 81   | 140 | 1.67   |



| Size      | Pressure class | Pressure and temperature range |    |     | [°C]  |
|-----------|----------------|--------------------------------|----|-----|-------|
|           |                | -20                            | 90 | 130 |       |
| 1/4" - 2" | PN30           | 30                             | 20 | 8   | [bar] |

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| Nominal inner diameter | Standard thread connection | Pressure rating | Face to Face norm     | Manual operation | Bore      | Material ball  | Seat material | Spindle material | Primary spindle seal material | Article           |
|------------------------|----------------------------|-----------------|-----------------------|------------------|-----------|----------------|---------------|------------------|-------------------------------|-------------------|
| 1/4" [8]               | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC0160201/4R-712E |
| 3/8" [10]              | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC0160203/8-R712E |
| 1/2" [15]              | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC0160201/2R-712E |
| 3/4" [20]              | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC0160203/4-R712E |
| 1" [25]                | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC016020001-R712E |
| 1.1/4" [32]            | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC0160211/4R-712E |
| 1.1/2" [40]            | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC0160211/2R-712E |
| 2" [50]                | ISO 228-1                  | PN30            | Manufacturer standard | Handle           | Full bore | CW614N chromed | PTFE          | Brass            | PTFE                          | EC016020002-R712E |

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