

# Brass full bore ball valve

Blue lever handle. PN25 to 2", PN16 2 1/2", 3" and 4", female ends

## SIZES

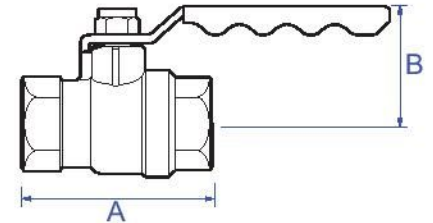
### Taper

| Range        | 1/2"  | 3/4"  | 1"    | 1 1/4" | 1 1/2" | 2"    | 2 1/2" | 3"    | 4"    |
|--------------|-------|-------|-------|--------|--------|-------|--------|-------|-------|
| Code - Taper | BR 01 | BR 02 | BR 03 | BR 04  | BR 05  | BR 06 | BR 07  | BR 08 | BR 09 |
| Code - PT    | BR 21 | BR 22 | BR 23 | BR 24  | BR 25  | BR 26 |        |       |       |
| Code - AT    | BR 41 | BR 42 | BR 43 | BR 44  | BR 45  | BR 46 | BR 47  | BR 48 | BR 49 |



## DIMENSIONS (mm)

| Range     | 1/2" | 3/4" | 1"   | 1 1/4" | 1 1/2" | 2"   | 2 1/2" | 3"  | 4"  |
|-----------|------|------|------|--------|--------|------|--------|-----|-----|
| A         | 50   | 58   | 69   | 81     | 89     | 110  | 136    | 163 | 192 |
| B         | 46   | 50   | 52   | 70     | 76     | 83   | 109    | 119 | 155 |
| Weight kg | 0.18 | 0.25 | 0.38 | 0.628  | 0.84   | 1.45 | 3.0    | 4.5 | 7.5 |



## VALVE SUITABILITY

| Steam | Water | Oil | Air | Gas Inert | Gas Combustible | Gas Corrosive | Gas Oxygen |
|-------|-------|-----|-----|-----------|-----------------|---------------|------------|
| ✗     | ✓     | ✓   | ✓   | ✗         | ✗               | ✗             | ✗          |

## MATERIAL SPECIFICATION

| Component        | Material   |
|------------------|--|
| Body             | Brass - CW617N, Chrome plated (1/2" to 2")<br>Forged brass, Chrome plated (2 1/2" to 4") |
| End piece        | Brass - CW617N, Chrome plated (1/2" to 2")<br>Forged brass, Chrome plated (2 1/2" to 4") |
| Ball             | Brass, Chrome plated   |
| Stem             | Brass, Chrome plated   |
| Gland nut        | Brass, Chrome plated   |
| Gland packing    | PTFE   |
| Seats            | PTFE   |
| Lever handle     | Dip Coated on Chrome plated steel  |
| Handle nut       | Steel  |
| Friction washer  | PTFE   |
| O-ring stem seal | Nitrile  |

## PRESSURE EQUIPMENT DIRECTIVE CATEGORY

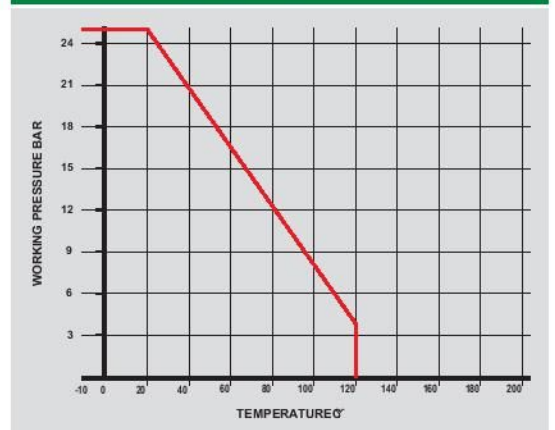
### Sizes

| DN15 | DN20 | DN15 | DN32   | DN40   | DN50 | DN65   | DN80 | DN100 |
|------|------|------|--------|--------|------|--------|------|-------|
| 1/2" | 3/4" | 1"   | 1 1/4" | 1 1/2" | 2"   | 2 1/2" | 3"   | 4"    |
| SEP  | SEP  | SEP  | SEP    | SEP    | SEP  | SEP    | SEP  | SEP   |

## MAXIMUM PRESSURE CONDITIONS

| Size         | Maximum Pressure Conditions (bar)         |   | Test Pressures (bar) |       |
|--------------|---|---|----------------------|-------|
|              | (Cold working)<br>Temperatures up to 20°C | (Hot working)<br>Temperatures up to 120°C | Shell                | Seat  |
| 1/2" to 2"   | 25  | 4   | 37.5                 | 27.5  |
| 2 1/2" to 4" | 16  | 4   | 24                   | 17.5  |
| Size         | Maximum Pressure Conditions (psi)         |   | Test Pressures (psi) |       |
|              | Temperatures up to 68°F                   | Temperatures up to 248°F                  | Shell                | Seat  |
| 1/2" to 2"   | 362.6                                     | 58  | 543.9                | 398.9 |
| 2 1/2" to 4" | 232.1                                     | 58  | 348.1                | 253.8 |

## PRESSURE & TEMPERATURE RATINGS



Temperature range - 10°C + 120°C (non shock)