

## Union Ball Valves

October, 2018

### Standard Port Ball Valves

For Plumbing System and Heating System

W103 series



#### Description

Ball valves with female-male and connections for plumbing and heating system.

Nickel plated outside and brass color inside. Standard port.

Butterfly handle and steel lever handle in blue color.

#### Versions and product codes

| Product code | Description                                      | Size   | Use              | Handle color |
|--------------|--|--------|------------------|--------------|
| W10342N1012  | MALE-FEMALE UNION CONNECTION WITH BUTTERFLY 1/2" | 1/2"   | Plumbing systems | Blue         |
| W10342N1034  | MALE-FEMALE UNION CONNECTION WITH BUTTERFLY 3/4" | 3/4"   |                  |              |
| W10342N1010  | MALE-FEMALE UNION CONNECTION WITH BUTTERFLY 1"   | 1"     |                  |              |
| W10342N1114  | MALE-FEMALE UNION CONNECTION WITH HANDLE 1 1/4"  | 1-1/4" |                  |              |
|              |  |        |                  |              |
|              |  |        |                  |              |

#### Technical data

##### Main features and materials

- Suitable for plumbing systems & heating systems
- Connections: F x M (ISO228)
- Standard port
- UNI EN 12165 CW617N nickel plated brass valve
- Stem with gland packing PTFE, adjustable and more reliable than O-rings structure
- Nut with anti-corrosion coating, self-lock, anti-released application
- Aluminum butterfly handle and steel lever handle (blue color for water use), with coating and strong



#### Field of application

- Max. working pressure at 20°C with water: 2.5 Mpa (25 Bar) for 1/2", 3/4", 1", 1-1/4"

- Max. working temperature for water: 60 °C
- Min. working temperature for water: -5 °C
- torque resistance:

| Size, DN        | 10 | 15 | 20  | 25  | 32  | 40  | 50  | 65  | 80  | 100 |
|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| Max. Torque N.m | 35 | 75 | 100 | 125 | 160 | 200 | 250 | 300 | 370 | 465 |

#### Dimensions:

| Size  | A    | B    | C   | I    | J    | H      |
|-------|------|------|-----|------|------|--------|
| 1/2   | 74.5 | 54.3 | 56  | 24.8 | 14.3 | EN24.5 |
| 3/4   | 79.5 | 59   | 56  | 26.5 | 17   | EN30.3 |
| 1     | 97   | 71.8 | 72  | 31.7 | 21.3 | EN37.5 |
| 1-1/4 | 111  | 95.8 | 131 | 36.5 | 26.8 | EN46.2 |
|       |      |      |     |      |      |        |
|       |      |      |     |      |      |        |

#### Product Specifications

##### W103 series

Ball valve with male-female and female-female connections for plumbing systems. UNI EN 12165 CW617N nickel plated outside, brass color inside. Standard port. Aluminum handle and steel lever handle with blue color for water plumbing use. Stem with gland packing PTFE, can be adjustable for leakage, much more reliable and longer time use. Max. working pressure at 20°C with water: 2.5 Mpa (25 Bar) for 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2" and 1.6 Mpa (16 Bar) for 2-1/2", 3" and 4". Max. working temperature for water: 60 °C. Min. working temperature for water: -5 °C