

Ball Valves

November 21st, 2023

Standard Port Ball Valves

For Plumbing System

W103 serials



Description

Ball valves with female-male and female-female connections for plumbing. 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
W10322N1038	Male-Female with Butterfly 3/8"	3/8"	Plumbing systems	Blue
W10322N1012	Male-Female with Butterfly 1/2"	1/2"		
W10322N1034	Male-Female with Butterfly 3/4"	3/4"		
W10322N1010	Male-Female with Butterfly 1"	1"		
W10312N1012	Female-Female with Butterfly 1/2"	1/2"		
W10312N1034	Female-Female with Butterfly 3/4"	3/4"		
W10312N1010	Female-Female with Butterfly 1"	1"		
W10311N1114	Female-Female with Handle 1-1/4"	1-1/4"		
W10311N1112	Female-Female with Handle 1-1/2"	1-1/2"		
W10311N1020	Female-Female with Handle 2"	2"		
W10311N1212	Female-Female with Handle 2-1/2"	2-1/2"		

Technical data

Main features and materials

- Suitable for plumbing systems
- Connections: F x M, F x F (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

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Field of application

- 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"
- 1.6 Mpa (16 Bar) for 2-1/2", 3", 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
3/8"	46.5	46.8	56	20.5	11.8	EN20
1/2"	56.5	54.3	56	24.8	14.3	EN24.5
3/4"	59	59	56	26.5	17	EN30.3
1"	70.2	71.8	72	31.7	21.3	EN37.5
1/2"	50.2	54.3	56	24.8	14.3	EN24.5
3/4"	53	59	56	26.5	17	EN30.3
1"	63.4	71.8	72	31.7	21.3	EN37.5
1-1/4"	73	95.8	131	36.5	26.8	EN46.2
1-1/2"	82.2	115	145	41.1	62	EN52.5
2"	97	129	165	48.5	39.3	EN65
2-1/2"	125	170	220	62.5	50.8	EN82.5

Product Specifications

W103 serials

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