

## Ball valves for water

### Art. 2110 - 2111 - 2120 - 2121



100% MADE IN ITALY 

**Function** Ball valves for water Pintossi + C are bi-directional, with the possibility to handle the flow in both directions. The opening and close angle is 90°.

The valves can be used in plumbing, heating or air conditioning systems and non-dangerous aero forms, liquid hydrocarbon and pneumatic systems. Unsuitable to be use with steam.

Ball valves must be used in totally open or close position, to avoid seats damages. It's important to plan regular checks to make sure that the valves are in good conditions.

Valves are supplied from the factory in open position.

Chromed plated finishing. Available with red long lever or butterfly handle.

<b>Product range</b>	Art. 2110	1/4" - 3/8" - 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2" - 2 1/2" - 3" - 4"	FF valve with lever
	Art. 2111	1/4" - 3/8" - 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"	MF FF valve with lever
	Art. 2120	1/4" - 3/8" - 1/2" - 3/4" - 1"	FF valve with butterfly
	Art. 2121	1/4" - 3/8" - 1/2" - 3/4" - 1"	MF valve with butterfly

<b>Technical specifications</b>	Fluids:	Water or glycol solutions
	Glycol max.:	30%
	Max working temp.:	120°C without steam
	Threads:	ISO 228/1
	Flow:	Total

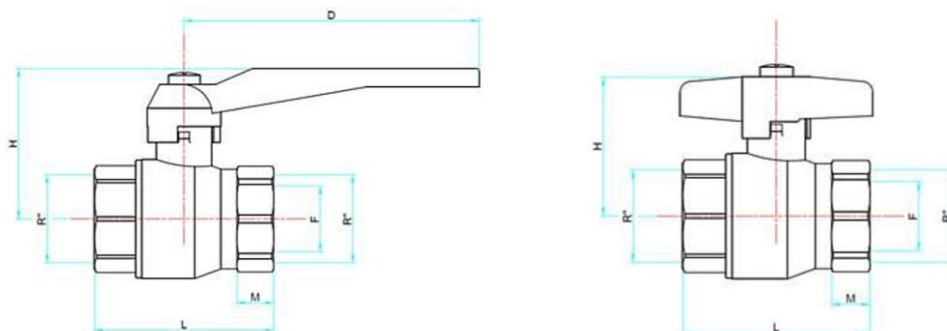
<b>Materials</b>	Body:	Brass CW617N
	Stem:	Brass CW614N
	Stem gaskets:	PTFE
	Seats:	PTFE
	Lever:	Aluminum

Valvola femmina-femmina con leva (art. 2110)							
R	DN	D	H	L	M	F	PN
1/4"	8	90	41	42	8	10	20
3/8"	10	90	41	43	9	10	20
1/2"	15	90	45	49	11	14	20
3/4"	20	90	48	58	12	19	20
1"	25	115	58	68	15	25	20
1 1/4"	32	115	65	82	17	31	16
1 1/2"	40	145	80	88	18	39	16
2"	50	145	87	105	19	49	16
2 1/2"	65	270	112	130	25	63	10
3"	80	270	123	150	25	76	10
4"	100	320	161	194	26	100	10

Valvola maschio-femmina con leva (art. 2111)							
R	DN	D	H	L	M	F	PN
1/4"	8	65	40	42	8	9	20
3/8"	10	90	40	42	9	10	20
1/2"	15	90	43	50	11	14	20
3/4"	20	90	48	58	12	19	20
1"	25	115	58	68	15	25	20
1 1/4"	32	115	65	82	17	31	16
1 1/2"	40	145	80	89	18	39	16
2"	50	145	87	105	19	49	16

Valvola femmina-femmina con farfalla (art. 2120)							
R	DN	D	H	L	M	F	PN
1/4"	8	45	41	42	8	10	20
3/8"	10	45	41	43	9	10	20
1/2"	15	60	45	49	11	14	20
3/4"	20	60	48	58	12	19	20
1"	25	70	58	68	15	25	20

Valvola maschio-femmina con farfalla (art. 2121)							
R"	DN	D	H	L	M	F	PN
1/4"	8	90	40	42	8	9	20
3/8"	10	90	40	42	9	10	20
1/2"	15	115	43	50	11	14	20
3/4"	20	115	48	58	12	19	20
1"	25	145	58	68	15	25	20



## Fluid characteristics

Reference standard for water treatments in heating systems is Norm UNI 8065:2019 which regulates the parameters that must be observed to avoid scale and corrosion phenomena.

In order to grant product warranty, the fluid characteristics must comply with the rules in force in the country of relevance or at least present features not less to the ones prescribed by the Norm UNI 8065:2019.

In particular, minimum standards necessary but not sufficient to control are the following:

Fluid aspect: Limpid

PH: Between 7 and 8

Iron (FE): < 0,5 mg/kg (< 0,1 mg/kg for steam)

Copper (CU): < 0,1 mg/kg (< 0,05 mg/kg for steam)

Antifreeze: Passivated Propylene Glycol

Conditioning: as indicated by the producer

In any case when using antifreeze and conditioning solutions, is required to control and verify the correct compatibility between these substances and the construction materials stated in Pintossi+C technical datasheet.