

## BALL VALVES

0149EN 02/2021

VALVE FOR WATER FOR HEATING/COOLING SYSTEMS  
NOT DANGEROUS GAS AND LIQUID HYDROCARBONS  
STANDARD PORT - R250D SERIES



**GIACOMINI**  
WATER E-MOTION



R250D

### Description

Ball valve, with female-female threaded connections.  
Standard port.

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R250X001	G 1/4"F x G 1/4"F	Chrome plated brass	Lever	Red
R250X002	G 3/8"F x G 3/8"F	Chrome plated brass	Lever	Red
R250X003	G 1/2"F x G 1/2"F	Chrome plated brass	Lever	Red
R250X004	G 3/4"F x G 3/4"F	Chrome plated brass	Lever	Red
R250X005	G 1"F x G 1"F	Chrome plated brass	Lever	Red
R250X006	G 1-1/4"F x G 1-1/4"F	Chrome plated brass	Lever	Red
R250X007	G 1-1/2"F x G 1-1/2"F	Chrome plated brass	Lever	Red
R250X008	G 2"F x G 2"F	Chrome plated brass	Lever	Red
R250X009	G 2-1/2"F x G 2-1/2"F	Chrome plated brass	Lever	Red
R250X010	G 3"F x G 3"F	Chrome plated brass	Lever	Red
R250X011	G 4"F x G 4"F	Chrome plated brass	Lever	Red
R250ZX001	Rc 1/4" x Rc 1/4"	Chrome plated brass	Lever	Red
R250ZX002	Rc 3/8" x Rc 3/8"	Chrome plated brass	Lever	Red
R250ZX003	Rc 1/2" x Rc 1/2"	Chrome plated brass	Lever	Red
R250ZX004	Rc 3/4" x Rc 3/4"	Chrome plated brass	Lever	Red
R250ZX005	Rc 1" x Rc 1"	Chrome plated brass	Lever	Red
R250ZX006	Rc 1-1/4" x Rc 1-1/4"	Chrome plated brass	Lever	Red
R250ZX007	Rc 1-1/2" x Rc 1-1/2"	Chrome plated brass	Lever	Red
R250ZX008	Rc 2" x Rc 2"	Chrome plated brass	Lever	Red
R250ZX009	Rc 2-1/2" x Rc 2-1/2"	Chrome plated brass	Lever	Red
R250ZX010	Rc 3" x Rc 3"	Chrome plated brass	Lever	Red
R250ZX011	Rc 4" x Rc 4"	Chrome plated brass	Lever	Red
R250ZY001	Rc 1/4" x Rc 1/4"	Brass	Lever	Red
R250ZY002	Rc 3/8" x Rc 3/8"	Brass	Lever	Red
R250ZY003	Rc 1/2" x Rc 1/2"	Brass	Lever	Red
R250ZY004	Rc 3/4" x Rc 3/4"	Brass	Lever	Red
R250ZY005	Rc 1" x Rc 1"	Brass	Lever	Red
R250ZY006	Rc 1-1/4" x Rc 1-1/4"	Brass	Lever	Red
R250ZY007	Rc 1-1/2" x Rc 1-1/2"	Brass	Lever	Red
R250ZY008	Rc 2" x Rc 2"	Brass	Lever	Red
R250ZY009	Rc 2-1/2" x Rc 2-1/2"	Brass	Lever	Red
R250ZY010	Rc 3" x Rc 3"	Brass	Lever	Red
R250ZY011	Rc 4" x Rc 4"	Brass	Lever	Red

## Technical data

### Main features and materials

- Suitable for water for heating/cooling systems, not dangerous gas and liquid hydrocarbons\*
- Standard port
- Valve made of UNI EN 12165 CW617N rough or chrome plated brass
- Stem with double O-Ring
- Nut with anti-corrosion coating, with guarantee seal and hologram
- Steel lever handle with anti-corrosion treatment and red PVC coating

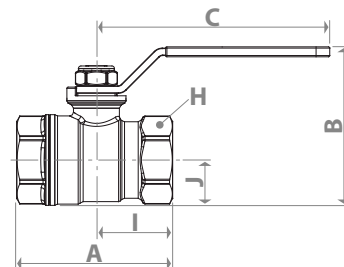
### Field of applications

- Min. working temperature: -20 °C with 50 % glycol solutions
- Max. working temperature with dry saturated steam: 185 °C with 1,05 MPa (10,5 bar)
- Max. working pressure at 20 °C with water and not dangerous gas: 4,2 MPa (42 bar) for 1/4", 3/8", 1/2", 3/4" 3,5 MPa (35 bar) for 1", 1-1/4", 1-1/2", 2" 2,8 MPa (28 bar) for 2-1/2", 3", 4"
- Temperature range with liquid hydrocarbons\*: -20÷60 °C
- Max. working pressure at 20 °C with liquid hydrocarbons\*: 1,2 MPa (12 bar)

\* Please consult Giacomini technical support, to check the compatibility of the product with the specific hydrocarbon.

## Dimensions and Kv

Product code	DN	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]	Kv
R250X001	8	43	21	36	10	43	wr.17	6,6
R250X002	10	45	22	46	14	77	wr.21	6,7
R250X003	14	54	27	49	15	77	wr.25	10,2
R250X004	18	63	31	64	18	94	wr.32	18,5
R250X005	22	75	38	73	23	94	wr.39	36,3
R250X006	28	84	42	82	28	94	wr.48	73,5
R250X007	35	93	46	100	33	136	wr.55	105
R250X008	45	107	54	115	41	136	wr.67	158
R250X009	58	146	73	154	52	173	wr.82	240
R250X010	68	160	80	169	60	173	wr.98	269
R250X011	90	207	104	207	77	187	wr.122	461
R250ZX001	8	43	21	36	10	43	wr.17	6,6
R250ZX002	10	45	22	46	14	77	wr.21	6,7
R250ZX003	14	54	27	49	15	77	wr.25	10,2
R250ZX004	18	63	31	64	18	94	wr.32	18,5
R250ZX005	22	75	38	73	23	94	wr.39	36,3
R250ZX006	28	84	42	82	28	94	wr.48	73,5
R250ZX007	35	93	46	100	33	136	wr.55	105
R250ZX008	45	107	54	115	41	136	wr.67	158
R250ZX009	58	146	73	154	52	173	wr.82	240
R250ZX010	68	160	80	169	60	173	wr.98	269
R250ZX011	90	207	104	207	77	187	wr.122	461
R250ZY001	8	43	21	36	10	43	wr.17	6,6
R250ZY002	10	45	22	46	14	77	wr.21	6,7
R250ZY003	14	54	27	49	15	77	wr.25	10,2
R250ZY004	18	63	31	64	18	94	wr.32	18,5
R250ZY005	22	75	38	73	23	94	wr.39	36,3
R250ZY006	28	84	42	82	28	94	wr.48	73,5
R250ZY007	35	93	46	100	33	136	wr.55	105
R250ZY008	45	107	54	115	41	136	wr.67	158
R250ZY009	58	146	73	154	52	173	wr.82	240
R250ZY010	68	160	80	169	60	173	wr.98	269
R250ZY011	90	207	104	207	77	187	wr.122	461



## Product specifications

### R250D - Red lever

Ball valve, with female-female threaded connections. Suitable for water for heating/cooling systems, not dangerous gas and liquid hydrocarbons. Valve made of UNI EN 12165 CW617N rough or chrome plated brass. Standard port. Steel lever handle with anti-corrosion treatment and red PVC coating. Stem with double O-Ring. Nut with anti-corrosion coating, with guarantee seal and hologram. Min. working temperature: -20 °C with 50 % glycol solutions. Max. working temperature with dry saturated steam: 185 °C with 1,05 MPa (10,5 bar). Max. working pressure at 20 °C with water and not dangerous gas: 4,2 MPa (42 bar) for 1/4", 3/8", 1/2", 3/4"; 3,5 MPa (35 bar) for 1", 1-1/4", 1-1/2", 2"; 2,8 MPa (28 bar) for 2-1/2", 3", 4". Temperature range with liquid hydrocarbons: -20÷60 °C. Max. working pressure at 20 °C with liquid hydrocarbons: 1,2 MPa (12 bar).



### Description

Ball valve, with female-female threaded connections.  
Standard port.

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R250X021	G 1/4"F x G 1/4"F	Chrome plated brass	Lever	Yellow
R250X022	G 3/8"F x G 3/8"F	Chrome plated brass	Lever	Yellow
R250X023	G 1/2"F x G 1/2"F	Chrome plated brass	Lever	Yellow
R250X024	G 3/4"F x G 3/4"F	Chrome plated brass	Lever	Yellow
R250X025	G 1"F x G 1"F	Chrome plated brass	Lever	Yellow
R250X026	G 1-1/4"F x G 1-1/4"F	Chrome plated brass	Lever	Yellow
R250X027	G 1-1/2"F x G 1-1/2"F	Chrome plated brass	Lever	Yellow
R250X028	G 2"F x G 2"F	Chrome plated brass	Lever	Yellow
R250X029	G 2-1/2"F x G 2-1/2"F	Chrome plated brass	Lever	Yellow
R250X030	G 3"F x G 3"F	Chrome plated brass	Lever	Yellow
R250X031	G 4"F x G 4"F	Chrome plated brass	Lever	Yellow
R250ZX061	Rc 1/4" x Rc 1/4"	Chrome plated brass	Lever	Yellow
R250ZX062	Rc 3/8" x Rc 3/8"	Chrome plated brass	Lever	Yellow
R250ZX063	Rc 1/2" x Rc 1/2"	Chrome plated brass	Lever	Yellow
R250ZX064	Rc 3/4" x Rc 3/4"	Chrome plated brass	Lever	Yellow
R250ZX065	Rc 1" x Rc 1"	Chrome plated brass	Lever	Yellow
R250ZX066	Rc 1-1/4" x Rc 1-1/4"	Chrome plated brass	Lever	Yellow
R250ZX067	Rc 1-1/2" x Rc 1-1/2"	Chrome plated brass	Lever	Yellow
R250ZX068	Rc 2" x Rc 2"	Chrome plated brass	Lever	Yellow
R250ZX069	Rc 2-1/2" x Rc 2-1/2"	Chrome plated brass	Lever	Yellow
R250ZX070	Rc 3" x Rc 3"	Chrome plated brass	Lever	Yellow
R250ZX071	Rc 4" x Rc 4"	Chrome plated brass	Lever	Yellow

### Technical data

#### Main features and materials

- Suitable for dangerous gas and liquid hydrocarbons\*
- Standard port
- Valve made of UNI EN 12165 CW617N chrome plated brass
- Stem with double O-Ring
- Nut with anti-corrosion coating, with guarantee seal and hologram
- Steel lever handle with anti-corrosion treatment and yellow PVC coating

#### Field of applications

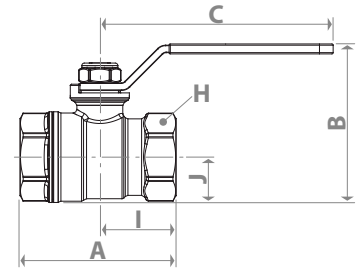
- Temperature range: -20+60 °C
- Max. working pressure at 20 °C with liquid hydrocarbons\*: 1,2 MPa (12 bar)
- Max. operating pressure (MOP) with gas: 0,5 MPa (5 bar)

\* Please consult Giacomini technical support, to check the compatibility of the product with the specific hydrocarbon.



## Dimensions

Product code	DN	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]
R250X021	8	43	21	36	10	43	wr.17
R250X022	10	46	23	45	13	77	wr.21
R250X023	14	54	27	49	15	77	wr.25
R250X024	18	63	31	64	18	94	wr.32
R250X025	22	75	38	73	23	94	wr.39
R250X026	28	84	42	82	28	94	wr.48
R250X027	35	93	46	100	33	136	wr.55
R250X028	45	107	54	115	41	136	wr.67
R250X029	58	146	73	154	52	173	wr.82
R250X030	68	160	80	169	60	173	wr.98
R250X031	90	207	104	207	77	187	wr.122
R250ZX061	8	43	21	36	10	43	wr.17
R250ZX062	10	46	23	45	13	77	wr.21
R250ZX063	14	54	27	49	15	77	wr.25
R250ZX064	18	63	31	64	18	94	wr.32
R250ZX065	22	75	38	73	23	94	wr.39
R250ZX066	28	84	42	82	28	94	wr.48
R250ZX067	35	93	46	100	33	136	wr.55
R250ZX068	45	107	54	115	41	136	wr.67
R250ZX069	58	146	73	154	52	173	wr.82
R250ZX070	68	160	80	169	60	173	wr.98
R250ZX071	90	207	104	207	77	187	wr.122



## Product specifications

### R250D - Yellow lever

Ball valve, with female-female threaded connections. Suitable for dangerous gas and liquid hydrocarbons. Valve made of UNI EN 12165 CW617N chrome plated brass. Standard port. Steel lever handle with anti-corrosion treatment and yellow PVC coating. Stem with double O-Ring. Nut with anti-corrosion coating, with guarantee seal and hologram. Temperature range: -20÷60 °C. Max. working pressure at 20 °C with liquid hydrocarbons: 1,2 MPa (12 bar). Max. operating pressure (MOP) with gas: 0,5 MPa (5 bar).

### Additional information

For more information, go to [www.giacomini.com](http://www.giacomini.com) or contact our technical assistance service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ [consulenza.prodotti@giacomini.com](mailto:consulenza.prodotti@giacomini.com)

This document provides only general indications. Giacomini S.p.A. may change at any time, without notice and for technical or commercial reasons, the items included herewith.

The information included in this technical sheet do not exempt the user from strictly complying with the rules and good practice standards in force.

Giacomini S.p.A. Via per Alzo, 39 - 28017 San Maurizio d'Opaglio (NO) Italy