

R250D

Ball valve for water for heating systems, standard port



Energy
Management

Datasheet
0149EN 08/2023



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

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

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

Field of applications

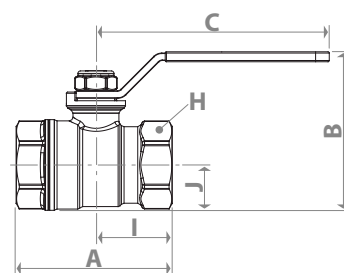
- Min. working temperature: -20 °C with 50 % glycol solutions
- Max. working temperature with dry saturated steam: 185 °C with 1,05 MPa (10,5 bar)
- Max. working pressure at 20 °C with water and not dangerous gas:
4,2 MPa (42 bar) for 1/4", 3/8", 1/2", 3/4"
3,5 MPa (35 bar) for 1", 1-1/4", 1-1/2", 2"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

Versions and product codes

PRODUCT CODE	CONNECTIONS	FINISHING	HANDLE TYPE	HANDLE COLOR	PACKAGING
R250X001	G 1/4"F x G 1/4"F	Chrome plated brass	Lever	Red	Standard
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	
R250X053	G 1/2"F x G 1/2"F	Chrome plated brass	Lever	Red	Bulk
R250X054	G 3/4"F x G 3/4"F	Chrome plated brass	Lever	Red	
R250X055	G 1"F x G 1"F	Chrome plated brass	Lever	Red	

➤ 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
R250X053	14	54	27	49	15	77	wr.25	10,2
R250X054	18	63	31	64	18	94	wr.32	18,5
R250X055	22	75	38	73	23	94	wr.39	36,3



Product specifications

R250D

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).

 **Safety Warning.** Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

 **Package Disposal.** Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

 **Additional information.** For more information, go to giacomini.com or contact our technical assistance service. 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.

 **Product Disposal.** Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.