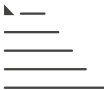


R850



Energy
Management

Datasheet
0628EN 01/2024

Ball valve for water for heating systems, full or standard port



Ball valve, with female-female threaded connections.
Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2".
Standard port for 2-1/2", 3", 4".

➤ Versions and product codes

PRODUCT CODE	CONNECTIONS	FINISHING	HANDLE TYPE	HANDLE COLOR
R850X021	G 1/4"F x G 1/4"F	Chrome plated brass	Lever	Red
R850X022	G 3/8"F x G 3/8"F	Chrome plated brass	Lever	Red
R850X023	G 1/2"F x G 1/2"F	Chrome plated brass	Lever	Red
R850X024	G 3/4"F x G 3/4"F	Chrome plated brass	Lever	Red
R850X025	G 1"F x G 1"F	Chrome plated brass	Lever	Red
R850X026	G 1-1/4"F x G 1-1/4"F	Chrome plated brass	Lever	Red
R850X027	G 1-1/2"F x G 1-1/2"F	Chrome plated brass	Lever	Red
R850X028	G 2"F x G 2"F	Chrome plated brass	Lever	Red
R850X029	G 2-1/2"F x G 2-1/2"F	Chrome plated brass	Lever	Red
R850X030	G 3"F x G 3"F	Chrome plated brass	Lever	Red
R850X031	G 4"F x G 4"F	Chrome plated brass	Lever	Red

Technical data

Main features and materials

- Suitable for water for heating/cooling systems, not dangerous gas and liquid hydrocarbons*
- Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
- Standard port for 2-1/2", 3", 4"
- 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 red PVC coating

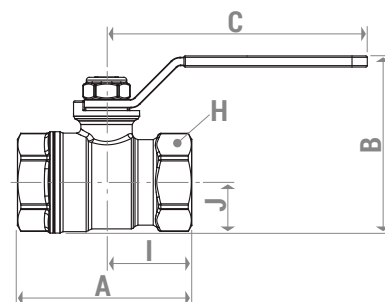
* Please consult Giacomini technical support, to check the compatibility of the product with the specific hydrocarbon.

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:
3,5 MPa (35 bar) for 1/4", 3/8", 1/2", 3/4"
2,8 MPa (28 bar) for 1", 1-1/4", 1-1/2", 2", 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)

Dimensions and Kv

PRODUCT CODE	DN	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]	Kv
R850X021	8	43	21	36	10	43	wr.17	6,6
R850X022	10	46	23	45	13	77	wr.20	6,7
R850X023	15	53	27	51	16	77	wr.25	12,7
R850X024	20	60	30	67	20	95	wr.31	24,6
R850X025	25	74	37	76	25	95	wr.38	48,5
R850X026	32	84	42	85	29	95	wr.47	98
R850X027	40	95	47	104	35	137	wr.54	140
R850X028	50	109	54	120	43	137	wr.66	211
R850X029	58	146	73	154	52	173	wr.82	240
R850X030	68	160	80	169	60	173	wr.98	269
R850X031	90	207	104	207	77	187	wr.122	461



Product specifications

R850

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 chrome plated brass. Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2". Standard port for 2-1/2", 3", 4". 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: 3,5 MPa (35 bar) for 1/4", 3/8", 1/2", 3/4"; 2,8 MPa (28 bar) for 1", 1-1/4", 1-1/2", 2", 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.