

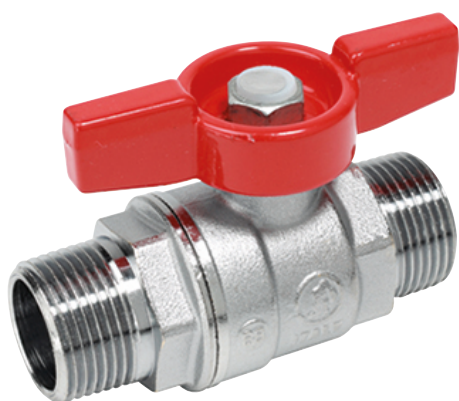
# R253D



Energy  
Management

## Ball valve for water for heating systems, standard port

Datasheet  
0603EN  02/2024



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

### Versions and product codes

PRODUCT CODE	CONNECTIONS	FINISHING	HANDLE TYPE	HANDLE COLOR
R253X002	R 3/8" x R 3/8"	Chrome plated brass	T-handle	Red
R253X003	R 1/2" x R 1/2"	Chrome plated brass	T-handle	Red
R253X004	R 3/4" x R 3/4"	Chrome plated brass	T-handle	Red
R253X005	R 1" x R 1"	Chrome plated brass	T-handle	Red
R253X006	R 1-1/4" x R 1-1/4"	Chrome plated brass	T-handle	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 chrome plated brass
- Stem with double O-Ring
- Nut with anti-corrosion coating, with guarantee seal and hologram
- Aluminium T-handle, red painted

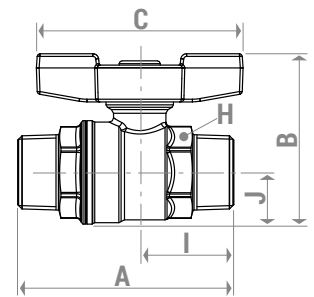
\* Please consult Giacomini technical support, to check the compatibility of the product with the specific hydrocarbon.

### 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 3/8", 1/2", 3/4"  
3,5 MPa (35 bar) for 1", 1-1/4"
- 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
R253X002	10	58	26	49	14	63	wr.19	6,7
R253X003	14	66	29	51	15	63	wr.22	10,2
R253X004	18	79	33	60	19	73	wr.29	18,5
R253X005	22	91	40	69	23	73	wr.36	36,3
R253X006	28	108	47	78	28	73	wr.44	73,5



## Product specifications

### R253D

Ball valve, with male-male 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. Standard port. Aluminium T-handle, red painted. 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 3/8", 1/2", 3/4"; 3,5 MPa (35 bar) for 1", 1-1/4". 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.

**ℹ Additional information.** For more information, go to [giacomini.com](http://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.