

# R251TH



Energy  
Management

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

Datasheet  
0600EN 03/2024



Ball valve, with female-female threaded connections, for pipes with high insulation thickness. Standard port.

### ➤ Versions and product codes

PRODUCT CODE	CONNECTIONS	FINISHING	HANDLE TYPE	HANDLE COLOR	NOTES
R251X052	G 3/8"F x G 3/8"F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X053	G 1/2"F x G 1/2"F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X054	G 3/4"F x G 3/4"F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X055	G 1"F x G 1"F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X056	G 1-1/4"F x G 1-1/4"F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X057	G 1-1/2"F x G 1-1/2"F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X058	2"F x 2"F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness

### Optional

- R540FY002: red contact thermometer, for installation in extended T-handles, scale 0÷120 °C, Ø 40 mm
- R540FY022: blue contact thermometer, for installation in extended T-handles, scale 0÷120 °C, Ø 40 mm

## 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
- Plastic extended T-handle with red plate

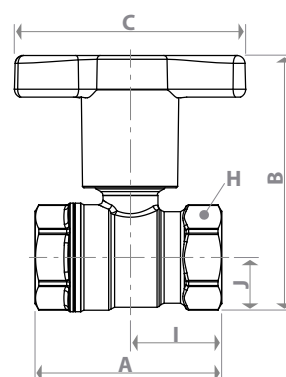
\* Please consult Giacomini technical support, to check the compatibility of the product with the specific hydrocarbon.

### Field of applications

- Temperature range: -20÷120 °C (-20 °C with 50 % glycol solutions) possibility of 120 °C for short periods of time
- 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", 1-1/2", 2"
- 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
R251X052	10	45	22	75	14	78	wr.21	6,7
R251X053	14	54	27	77	15	78	wr.25	10,2
R251X054	18	63	31	86	18	78	wr.32	18,5
R251X055	22	75	38	95	23	78	wr.39	36,3
R251X056	28	84	42	104	28	78	wr.48	73,5
R251X057	35	93	46	136	33	98	wr.55	105
R251X058	45	107	54	152	41	98	wr.67	158



## Product specifications

### R251TH

Ball valve, with female-female threaded connections, for pipes with high insulation thickness. 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. Plastic extended T-handle with red plate. Stem with double O-Ring. Nut with anti-corrosion coating, with guarantee seal and hologram. Temperature range: -20÷120 °C (-20 °C with 50 % glycol solutions), possibility of 120 °C for short periods of time. 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", 1-1/2", 2". 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.