

# R851TH



Energy  
Management

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

Datasheet  
0634EN 03/2024



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

### ➤ Versions and product codes

PRODUCT CODE	CONNECTIONS	FINISHING	HANDLE TYPE	HANDLE COLOR	NOTES
R851TX002	G 3/8"F x G 3/8"F	Chrome plated brass	Extended T-handle	Red, Blue plates	For pipes with high insulation thickness
R851TX003	G 1/2"F x G 1/2"F	Chrome plated brass	Extended T-handle	Red, Blue plates	For pipes with high insulation thickness
R851TX004	G 3/4"F x G 3/4"F	Chrome plated brass	Extended T-handle	Red, Blue plates	For pipes with high insulation thickness
R851TX005	G 1"F x G 1"F	Chrome plated brass	Extended T-handle	Red, Blue plates	For pipes with high insulation thickness
R851TX006	G 1-1/4"F x G 1-1/4"F	Chrome plated brass	Extended T-handle	Red, Blue plates	For pipes with high insulation thickness
R851TX007	G 1-1/2"F x G 1-1/2"F	Chrome plated brass	Extended T-handle	Red, Blue plates	For pipes with high insulation thickness
R851TX008	G 2"F x G 2"F	Chrome plated brass	Extended T-handle	Red, Blue plates	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\*
- Full 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 and blue plates

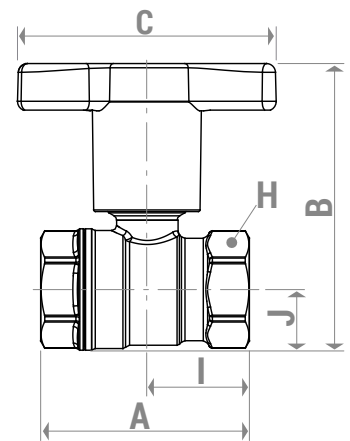
\* Please consult Giacomini technical support, to check the compatibility of the product with the specific hydrocarbon.

### Field of applications

- Temperature range:  $-20\div 120$  °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:  
3,5 MPa (35 bar) for 3/8", 1/2", 3/4"  
2,8 MPa (28 bar) for 1", 1-1/4", 1-1/2", 2"
- Temperature range with liquid hydrocarbons\*:  $-20\div 60$  °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
R851TX002	10	46	23	73	13	78	wr.20	6,7
R851TX003	15	53	27	80	16	78	wr.25	12,7
R851TX004	20	60	30	89	20	78	wr.31	24,6
R851TX005	25	74	37	98	24	78	wr.38	48,5
R851TX006	32	84	42	108	30	78	wr.47	98
R851TX007	40	95	47	141	35	96	wr.54	140
R851TX008	50	109	54	156	43	96	wr.66	211



## Product specifications

### R851TH

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. Plastic extended T-handle with red and blue plates. Stem with double O-Ring. Nut with anti-corrosion coating, with guarantee seal and hologram. Temperature range:  $-20\div 120$  °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: 3,5 MPa (35 bar) for 3/8", 1/2", 3/4"; 2,8 MPa (28 bar) for 1", 1-1/4", 1-1/2", 2". Temperature range with liquid hydrocarbons:  $-20\div 60$  °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.