

## BALL VALVES

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VALVE FOR WATER FOR HEATING/COOLING SYSTEMS  
NOT DANGEROUS GAS AND LIQUID HYDROCARBONS  
FULL PORT - R851TH SERIES



**GIACOMINI**  
WATER E-MOTION



R851TH

### Description

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

### 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

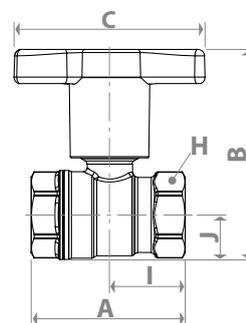
#### Field of applications

- 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: 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÷60 °C
- Max. working pressure at 20 °C with liquid hydrocarbons\*: 1,2 MPa (12 bar)

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

### 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	98,0
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÷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÷60 °C. Max. working pressure at 20 °C with liquid hydrocarbons: 1,2 MPa (12 bar).

#### Additional information

For more information, go to [www.giacomini.com](http://www.giacomini.com) or contact our technical assistance service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ [consulenza.prodotti@giacomini.com](mailto:consulenza.prodotti@giacomini.com)

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