

## BALL VALVES

0642EN 02/2021

VALVE FOR WATER FOR HEATING/COOLING SYSTEMS  
NOT DANGEROUS GAS AND LIQUID HYDROCARBONS  
FULL PORT - R859 SERIES



**GIACOMINI**  
WATER E-MOTION



R859

### Description

Ball valve, with female-tail piece male threaded connections.  
Full port.

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R859X323	G 1/2"F x R 1/2"	Chrome plated brass	T-handle	Red
R859X325	G 3/4"F x G 3/4"M	Chrome plated brass	T-handle	Red
R859X327	G 1"F x G 1"M	Chrome plated brass	T-handle	Red
R859X329	G 1-1/4"F x G 1-1/4"M	Chrome plated brass	T-handle	Red
R859X343	G 1/2"F x R 1/2"	Chrome plated brass	T-handle	Blue
R859X345	G 3/4"F x G 3/4"M	Chrome plated brass	T-handle	Blue
R859X347	G 1"F x G 1"M	Chrome plated brass	T-handle	Blue
R859X349	G 1-1/4"F x G 1-1/4"M	Chrome plated brass	T-handle	Blue

### 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
- Aluminium T-handle, red or blue painted

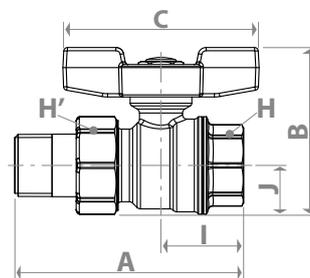
#### Field of applications

- 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 1/2", 3/4"  
2,8 MPa (28 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)

\* 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]	H' [mm]	Kv
R859X323	15	74	27	54	16	63	wr.25	wr.30	12,7
R859X325	20	83	30	64	20	73	wr.31	wr.38	24,6
R859X327	25	95	31	72	24	73	wr.38	wr.46	48,5
R859X329	32	112	42	82	30	73	wr.47	wr.53	98,0
R859X343	15	74	27	54	16	63	wr.25	wr.30	12,7
R859X345	20	83	30	64	20	73	wr.31	wr.38	24,6
R859X347	25	95	31	72	24	73	wr.38	wr.46	48,5
R859X349	32	112	42	82	30	73	wr.47	wr.53	98,0



### Product specifications

#### R859

Ball valve, with female-tail piece 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. Full port. Aluminium T-handle, red or blue 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: 3,5 MPa (35 bar) for 1/2", 3/4"; 2,8 MPa (28 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).

#### 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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The information included in this technical sheet do not exempt the user from strictly complying with the rules and good practice standards in force.

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