

## BALL VALVES

0920EN March 2020

VALVE FOR WATER FOR HEATING/COOLING SYSTEMS, DANGEROUS AND NOT DANGEROUS GAS, LIQUID HYDROCARBONS  
FULL PORT - R851-U SERIES

 **GIACOMINI**  
WATER E-MOTION



R851-U

### Description

Ball valve, with female-female threaded connections.  
Full port.



#### Note.

For information about product certification (applicability, field of use, terms of approval), please contact Giacomini technical support.

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R851UX001	1/4"NPT-F x 1/4"NPT-F	Chrome plated brass	T-handle	Red
R851UY004	3/4"NPT-F x 3/4"NPT-F	Brass	T-handle	Red
R851UY005	1"NPT-F x 1"NPT-F	Brass	T-handle	Red

### Technical data

#### Main features and materials

- Suitable for water for heating/cooling systems, dangerous and not dangerous gas, liquid hydrocarbons\*
- Full port
- Valve made of UNI EN 12165 CW617N rough or chrome plated brass
- Stem with double O-Ring
- Nut with anti-corrosion coating, with guarantee seal and hologram
- Aluminium T-handle, red painted

#### Field of applications

##### Use with water and not dangerous gas

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

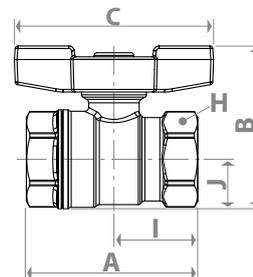
##### Use with gas and liquid hydrocarbons

- Temperature range: -20÷60 °C
- Max. working pressure at 20 °C with liquid hydrocarbons\*: 1,2 MPa (12 bar)
- Max. operating pressure (MOP) with gas: 0,5 MPa (5 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
R851UX001	8	43	21	35	10	40	wr.17	6,6
R851UY004	20	60	30	63	20	73	wr.31	24,6
R851UY005	25	74	37	72	25	73	wr.38	48,5



### Product specifications

#### R851-U

Ball valve, with female-female threaded connections. Suitable for water for heating/cooling systems, dangerous and not dangerous gas, liquid hydrocarbons. Valve made of UNI EN 12165 CW617N rough or chrome plated brass Full port. Aluminium T-handle, red painted. Stem with double O-Ring. Nut with anti-corrosion coating, with guarantee seal and hologram. USE WITH WATER AND NOT DANGEROUS GAS: 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 1/4", 3/4"; 2,8 MPa (28 bar) for 1". USE WITH GAS AND LIQUID HYDROCARBONS: Temperature range: -20÷60 °C. Max. working pressure at 20 °C with liquid hydrocarbons\*: 1,2 MPa (12 bar). Max. operating pressure (MOP) with gas: 0,5 MPa (5 bar).

#### Altre informazioni

Per ulteriori informazioni consultare il sito [www.giacomini.com](http://www.giacomini.com) o contattare il servizio tecnico: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ [consulenza.prodotti@giacomini.com](mailto:consulenza.prodotti@giacomini.com)

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