

## BALL VALVES

0590EN September 2017

VALVE FOR WATER FOR HEATING/COOLING SYSTEMS  
AND NOT DANGEROUS GAS  
STANDARD PORT - R251D SERIES



### Description

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

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R251X001	1/4"F (ISO 228) x 1/4"F (ISO 228)	Chrome plated brass	T-handle	Red
R251X002	3/8"F (ISO 228) x 3/8"F (ISO 228)	Chrome plated brass	T-handle	Red
R251X003	1/2"F (ISO 228) x 1/2"F (ISO 228)	Chrome plated brass	T-handle	Red
R251X004	3/4"F (ISO 228) x 3/4"F (ISO 228)	Chrome plated brass	T-handle	Red
R251X005	1"F (ISO 228) x 1"F (ISO 228)	Chrome plated brass	T-handle	Red
R251X006	1 1/4"F (ISO 228) x 1 1/4"F (ISO 228)	Chrome plated brass	T-handle	Red
R251ZX001	1/4"F (Rc, EN 10226 "BSP") x 1/4"F (Rc, EN 10226 "BSP")	Chrome plated brass	T-handle	Red
R251ZX003	1/2"F (Rc, EN 10226 "BSP") x 1/2"F (Rc, EN 10226 "BSP")	Chrome plated brass	T-handle	Red
R251ZX004	3/4"F (Rc, EN 10226 "BSP") x 3/4"F (Rc, EN 10226 "BSP")	Chrome plated brass	T-handle	Red
R251ZX005	1"F (Rc, EN 10226 "BSP") x 1"F (Rc, EN 10226 "BSP")	Chrome plated brass	T-handle	Red
R251ZX006	1 1/4"F (Rc, EN 10226 "BSP") x 1 1/4"F (Rc, EN 10226 "BSP")	Chrome plated brass	T-handle	Red

### Technical data

#### Main features and materials

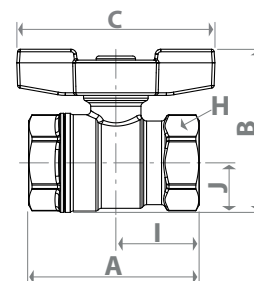
- Suitable for water for heating/cooling systems and not dangerous gas
- Standard port
- Valve made of UNI EN 12165 CW617N chrome plated brass
- Stem with double O-Ring
- Nut with anti-corrosion coating, with guarantee seal and hologram
- Aluminium T-handle, red painted

#### 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: 4,2 MPa (42 bar) for 1/4" - 3/8" - 1/2" - 3/4" 3,5 MPa (35 bar) for 1" - 1 1/4"

### Dimensions and Kv

Product code	DN	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]	Kv
R251X001	8	43	21	35	10	40	17	6,6
R251X002	10	45	22	46	14	63	21	6,7
R251X003	14	54	27	51	15	63	25	10,2
R251X004	18	63	31	60	18	73	32	18,5
R251X005	22	75	38	73	23	73	39	36,3
R251X006	28	84	42	78	28	73	48	73,5
R251ZX001	8	43	21	35	10	40	17	6,6
R251ZX003	14	54	27	51	15	63	25	10,2
R251ZX004	18	63	31	60	18	73	32	18,5
R251ZX005	22	75	38	73	23	73	39	36,3
R251ZX006	28	84	42	78	28	73	48	73,5



### Product specifications

#### R251D - Red T-handle

Ball valve, with female-female threaded connections. Suitable for water for heating/cooling systems and not dangerous gas. Valve made of UNI EN 12165 CW617N chrome plated brass. Standard port. Aluminium T-handle, red 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: 4,2 MPa (42 bar) for 1/4" - 3/8" - 1/2" - 3/4"; 3,5 MPa (35 bar) for 1" - 1 1/4".


**R251D**

### Description

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

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R251X021	1/4" F (ISO 228) x 1/4" F (ISO 228)	Chrome plated brass	T-handle	Yellow
R251X022	3/8" F (ISO 228) x 3/8" F (ISO 228)	Chrome plated brass	T-handle	Yellow
R251X023	1/2" F (ISO 228) x 1/2" F (ISO 228)	Chrome plated brass	T-handle	Yellow
R251X024	3/4" F (ISO 228) x 3/4" F (ISO 228)	Chrome plated brass	T-handle	Yellow
R251X025	1" F (ISO 228) x 1" F (ISO 228)	Chrome plated brass	T-handle	Yellow
R251X026	1 1/4" F (ISO 228) x 1 1/4" F (ISO 228)	Chrome plated brass	T-handle	Yellow

### Technical data

#### Main features and materials

- Suitable for 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
- Aluminium T-handle, yellow painted

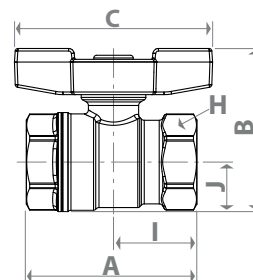
#### Field of applications

- 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

Product code	DN	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]
R251X021	8	43	21	35	10	40	17
R251X022	10	45	22	46	14	63	21
R251X023	14	54	27	51	15	63	25
R251X024	18	63	31	60	18	73	32
R251X025	22	75	38	73	23	73	39
R251X026	28	84	42	78	28	73	48



### Product specifications

#### R251D - Yellow T-handle

Ball valve, with female-female threaded connections. Suitable for dangerous gas and liquid hydrocarbons. Valve made of UNI EN 12165 CW617N chrome plated brass. Standard port. Aluminium T-handle, yellow painted. Stem with double O-Ring. Nut with anti-corrosion coating, with guarantee seal and hologram. 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).

#### 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)  
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.  
Giacomini S.p.A. Via per Alzo, 39 - 28017 San Maurizio d'Opaglio (NO) Italy