

BALL VALVES

0600EN 02/2021

VALVE FOR WATER FOR HEATING/COOLING SYSTEMS
NOT DANGEROUS GAS AND LIQUID HYDROCARBONS
STANDARD PORT - R251TH SERIES

GIACOMINI
WATER E-MOTION



R251TH

Description

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

Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color	Notes
R251X052	G 3/8" F x G 3/8" F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X053	G 1/2" F x G 1/2" F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X054	G 3/4" F x G 3/4" F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X055	G 1" F x G 1" F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X056	G 1-1/4" F x G 1-1/4" F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X057	G 1-1/2" F x G 1-1/2" F	Chrome plated brass	Extended T-handle	Red plate	For pipes with high insulation thickness
R251X058	2" F x 2" F	Chrome plated brass	Extended T-handle	Red plate	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*
- 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
- Plastic extended T-handle with red plate

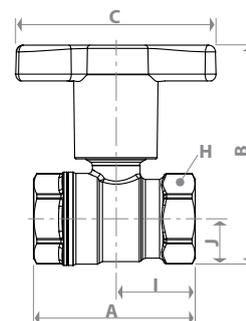
Field of applications

- 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: 4,2 MPa (42 bar) for 3/8", 1/2", 3/4"; 3,5 MPa (35 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
R251X052	10	45	22	75	14	78	wr.21	6,7
R251X053	14	54	27	77	15	78	wr.25	10,2
R251X054	18	63	31	86	18	78	wr.32	18,5
R251X055	22	75	38	95	23	78	wr.39	36,3
R251X056	28	84	42	104	28	78	wr.48	73,5
R251X057	35	93	46	136	33	98	wr.55	105
R251X058	45	107	54	152	41	98	wr.67	158



Product specifications

R251TH

Ball valve, with female-female threaded connections, for pipes with high insulation thickness. Suitable for water for heating/cooling systems, not dangerous gas and liquid hydrocarbons. Valve made of UNI EN 12165 CW617N chrome plated brass. Standard port. Plastic extended T-handle with red plate. 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: 4,2 MPa (42 bar) for 3/8", 1/2", 3/4"; 3,5 MPa (35 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 or contact our technical assistance service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ 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