

R250D-U



Gas
Distribution



Energy
Management

Valve for water for heating/ cooling systems, dangerous and not dangerous gas, liquid hydrocarbons

Datasheet
0922EN 03/2020



Ball valve, with female-female threaded connections.
Standard 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
R250UY001	1/4"NPT-F x 1/4"NPT-F	Brass	Lever	Red
R250UY002	3/8"NPT-F x 3/8"NPT-F	Brass	Lever	Red
R250UY003	1/2"NPT-F x 1/2"NPT-F	Brass	Lever	Red
R250UY004	3/4"NPT-F x 3/4"NPT-F	Brass	Lever	Red
R250UY005	1"NPT-F x 1"NPT-F	Brass	Lever	Red
R250UY006	1-1/4"NPT-F x 1-1/4"NPT-F	Brass	Lever	Red
R250UY007	1-1/2"NPT-F x 1-1/2"NPT-F	Brass	Lever	Red
R250UY008	2"NPT-F x 2"NPT-F	Brass	Lever	Red
R250UY009	2-1/2"NPT-F x 2-1/2"NPT-F	Brass	Lever	Red
R250UY010	3"NPT-F x 3"NPT-F	Brass	Lever	Red
R250UY011	4"NPT-F x 4"NPT-F	Brass	Lever	Red

Technical data

Main features and materials

- Suitable for water for heating/cooling systems, dangerous and not dangerous gas, liquid hydrocarbons*
- Standard port
- Valve made of UNI EN 12165 CW617N
- Stem with double O-Ring
- Steel lever handle with anti-corrosion treatment and PVC coating
- Nut with anti-corrosion coating, with guarantee seal and hologram

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

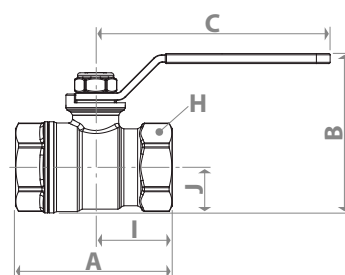
Use with gas and liquid hydrocarbons

- 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: 5 MPa (5 bar)

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

Dimensions

PRODUCT CODE	DN [mm]	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]	Kv
R250UY001	8	43	21	36	10	43	wr.17	6,6
R250UY002	10	45	22	46	14	77	wr.21	6,7
R250UY003	14	54	27	49	15	77	wr.25	10,2
R250UY004	18	63	31	64	18	94	wr.32	18,5
R250UY005	22	75	38	73	23	94	wr.39	36,3
R250UY006	28	84	42	82	28	94	wr.48	73,5
R250UY007	35	93	46	100	33	136	wr.55	105
R250UY008	45	107	54	115	41	136	wr.67	158
R250UY009	58	146	73	154	52	173	wr.82	240
R250UY010	68	160	80	169	60	173	wr.98	269
R250UY011	90	207	104	207	77	187	wr.122	461



Product specifications

R250D-U

Ball valve, with female-female threaded connections (NPT, ASME B1.20.1). Suitable for water for heating/cooling systems, dangerous and not dangerous gas, liquid hydrocarbons. Valve made of UNI EN 12165 CW617N brass. Standard port. Steel lever handle with anti-corrosion treatment and PVC coating. 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: 4,2 MPa (42 bar) for 1/4", 3/8", 1/2", 3/4"; 3,5 MPa (35 bar) for 1", 1-1/4", 1-1/2", 2"; 2,8 MPa (28 bar) for 2-1/2", 3", 4". 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).

 **Safety Warning.** Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

 **Package Disposal.** Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

 **Additional information.** For more information, go to giacomini.com or contact our technical assistance service. 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.

 **Product Disposal.** Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.

Valves | Quick Opening Ball Valves | Quick Opening Valves

Models R250D, R850, R850F, R858, R910, R918, R850LF, R858LF, R910LF

Product Description

Model No	Description	Valve Size		Rated Working Pressure		Remarks
		in	(mm)	psi	(kPa)	
R250D	Ball Valve	1/2, 3/4	(15, 20)	600	(4135)	a, c, f
R250D	Ball Valve	1, 1 1/4, 1 1/2, 2	(25, 32, 40, 50)	500	(3445)	a, c, f
R850	Ball Valve	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	(8, 10, 15, 20, 25, 32, 40, 50)	600	(4135)	a, c, d
R850F	Ball Valve	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	(15, 20, 25, 32, 40, 50)	600	(4135)	a, c, d
R858	Ball Valve	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	(15, 20, 25, 32, 40, 50)	600	(4135)	b
R910	Ball Valve	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	(15, 20, 25, 32, 40, 50)	600	(4135)	a
R910UX	Ball Valve	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	(15, 20, 25, 32, 40, 50)	600	(4135)	a, e
R850LF	Ball Valve	1/2, 3/4, 1, 1 1/4	(15, 20, 25, 32)	600	(4135)	a, d
R850LF	Ball Valve	1 1/2	(40)	500	(3445)	a, d
R850LF	Ball Valve	2	(50)	350	(2410)	a, d
R858LF	Ball Valve	1/2, 3/4, 1, 1 1/4	(15, 20, 25, 32)	600	(4135)	b
R858LF	Ball Valve	1 1/2	(40)	500	(3445)	b
R858LF	Ball Valve	2	(50)	350	(2410)	b
R910LF	Ball Valve	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	(15, 20, 25, 32, 40, 50)	600	(4135)	a

- Remarks:
- a) NPT end connections
 - b) Solder joint end connections
 - c) ISO 228 threads
 - d) Considered FM Approved when supplied with a chrome plated valve body or a brass finished valve body
 - e) Considered FM Approved when supplied with a nickel plated valve body
 - f) BSP end connections

Details

Category	Quick Opening Valves
Class of Work	1140 - Valves (QOT), Ball
Approval Standard	FM 1140 - Quick Opening Valves 1/4 Inch Through 2 Inch Nominal Size
Certification Type	FM Approved
Listing Country	Italy

Company

Giacomini SpA
Via per Alzo 39, 28017 San Maurizio d'Opaglio (NO) Italy
<http://giacomini.com>

Note: We are enhancing our systems and you may notice duplicate entries/missing/outdated data. During this interim period, please contact our Customer Service at <https://www.ul.com/about/locations>.

Manual Valves

COMPANY

MH15525

GIACOMINI SPA

VIA PER ALZO 39

S MAURIZIO D'OPAGLIO, NO 28017 Italy



Trademark and/or Tradename:

Note: For additional marking information, refer to the [Guide Information Page](#)

Manual Valves, Model(s): *R730GA (ξ) (ξ)* - ISO 228 threads, *R731GA (ξ) (ξ)* - ISO 228 threads, *R850 LF (@) (@)* - NPT threads, *R858, R858 LF*

Manual Valves, Model(s): *R850 (*) (*)* - May utilize either NPT or (ISO 228) threads.

Manual Valves, Model(s): *R910 (*) (*)* - May utilize either NPT or (ISO 228) threads

Manual Valves made in 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 and 2, 400 psi max, "R250D Series", Model(s): *R250D (*) (b)*

Manual Valves made in 1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 and 2, 400 psi max, "R250DG Series", Model(s): *R250DG (+) (b)*

Manual Valves, "Series R601", Model(s): *R601 (a)*

Manual Valves, "Series R602 SH", Model(s): *R602 SH (a)*

Manual Valves, "Series R602", Model(s): *R602 (a)*

Manual Valves, "Series R605", Model(s): *R605 (a)*

Manual Valves, sizes 1/2 and 3/4 in., for use with 02, 04, 05, 06, A, Ac, G, Ga, LP, 200 psig max, Model(s): *R601S (a), R602S (a)*

R661, Model(s): *R661 1/2 in. F NPT, 3/4 in. F NPT, 1 in. F NPT*, maximum pressure rating 400 psi.

(a) - maximum working pressure 125 psig

* - May utilize either NPT or (ISO 228) threads.

+ - BSP threads.

+ - May utilize either NPT, (ISO 228) or BSP threads.

b - maximum working pressure 400 psig