

BALL VALVES

0921EN March 2020

VALVE FOR WATER FOR HEATING/COOLING SYSTEMS, DANGEROUS AND NOT DANGEROUS GAS, LIQUID HYDROCARBONS
FULL/STANDARD PORT - R858-U SERIES



GIACOMINI
WATER E-MOTION



R858-U

Description

Ball valve, with Sweat connections for copper pipes.

Full port for 1/2", 3/4", 1", 1-1/4", 1-1/2", 2".

Standard port for 2-1/2", 3".



Warning.

The valve is suitable for connecting with metal pipes according to the process of soldering. This procedure does not damage the internal seals.



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	Note
R858UY003	1/2" x 1/2"	Brass	Lever	Red	-
R858UY004	3/4" x 3/4"	Brass	Lever	Red	-
R858UY005	1" x 1"	Brass	Lever	Red	-
R858UY006	1-1/4" x 1-1/4"	Brass	Lever	Red	-
R858UY007	1-1/2" x 1-1/2"	Brass	Lever	Red	-
R858UY008	2" x 2"	Brass	Lever	Red	-
R858UY009	2-1/2" x 2-1/2"	Brass	Lever	Red	-
R858UY010	3" x 3"	Brass	Lever	Red	-
R858UY203	1/2" x 1/2"	Brass	Lever	Red	No lead brass **
R858UY204	3/4" x 3/4"	Brass	Lever	Red	No lead brass **
R858UY205	1" x 1"	Brass	Lever	Red	No lead brass **
R858UY206	1-1/4" x 1-1/4"	Brass	Lever	Red	No lead brass **
R858UY207	1-1/2" x 1-1/2"	Brass	Lever	Red	No lead brass **
R858UY208	2" x 2"	Brass	Lever	Red	No lead brass **

Technical data

Main features and materials

- Suitable for water for heating/cooling systems, dangerous and not dangerous gas, liquid hydrocarbons*
- Full port for 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
- Standard port for 2-1/2", 3"
- Valve made of UNI EN 12165 CW617N rough brass or made of UNI EN 12165 CW509L no lead brass**
- Stem with double O-Ring
- Nut with anti-corrosion coating, with guarantee seal and hologram
- Steel lever handle with anti-corrosion treatment and red PVC coating

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

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.

** The valve contains less than 0,25 % lead by weighted average on wetted surface areas.

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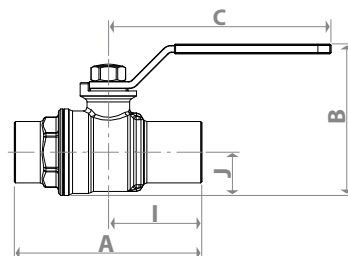


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Dimensions and Kv

Product code	DN	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	Kv
R858UY003	15	58	29	51	16	77	12,7
R858UY004	20	80	40	67	20	94	24,6
R858UY005	25	98	49	76	24	94	48,5
R858UY006	32	110	55	85	29	94	98,0
R858UY007	40	127	63,5	104	35	136	140
R858UY008	50	155	77,5	120	43	136	211
R858UY009	58	178	88	154	52	173	240
R858UY010	68	204	102	170	60	173	269
R858UY203	15	58	29	51	16	77	12,7
R858UY204	20	80	40	67	20	94	24,6
R858UY205	25	98	49	76	24	94	48,5
R858UY206	32	110	55	85	29	94	98,0
R858UY207	40	127	63,5	104	35	136	140
R858UY208	50	155	77,5	120	43	136	211



Product specifications

R858-U

Ball valve, with Sweat connections for copper pipes. Full port for 1/2", 3/4", 1", 1-1/4", 1-1/2", 2". Standard port for 2-1/2", 3". Suitable for water for heating/cooling systems, dangerous and not dangerous gas, liquid hydrocarbons. Valve made of UNI EN 12165 CW617N rough brass or made of UNI EN 12165 CW509L no lead brass. Steel lever handle with anti-corrosion treatment and red 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: 3,5 MPa (35 bar) per 1/2", 3/4"; 2,8 MPa (28 bar) per 1", 1-1/4", 1-1/2", 2", 3". 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).

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

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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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