

## BALL VALVES

0628EN March 2020

VALVE FOR WATER FOR HEATING/COOLING SYSTEMS  
AND NOT DANGEROUS GAS  
FULL PORT - R850 SERIES



### Description

Ball valve, with female-female threaded connections.  
Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2".  
Standard port for 2-1/2", 3", 4".

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R850X021	G 1/4"F x G 1/4"F	Chrome plated brass	Lever	Red
R850X022	G 3/8"F x G 3/8"F	Chrome plated brass	Lever	Red
R850X023	G 1/2"F x G 1/2"F	Chrome plated brass	Lever	Red
R850X024	G 3/4"F x G 3/4"F	Chrome plated brass	Lever	Red
R850X025	G 1"F x G 1"F	Chrome plated brass	Lever	Red
R850X026	G 1-1/4"F x G 1-1/4"F	Chrome plated brass	Lever	Red
R850X027	G 1-1/2"F x G 1-1/2"F	Chrome plated brass	Lever	Red
R850X028	G 2"F x G 2"F	Chrome plated brass	Lever	Red
R850X029	G 2-1/2"F x G 2-1/2"F	Chrome plated brass	Lever	Red
R850X030	G 3"F x G 3"F	Chrome plated brass	Lever	Red
R850X031	G 4"F x G 4"F	Chrome plated brass	Lever	Red

### Technical data

#### Main features and materials

- Suitable for water for heating/cooling systems and not dangerous gas
- Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
- Standard port for 2-1/2", 3", 4"
- 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
- Steel lever handle with anti-corrosion treatment and red PVC coating

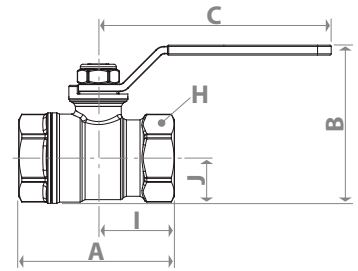
#### Field of applications

- 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: 3,5 MPa (35 bar) for 1/4", 3/8", 1/2", 3/4"  
2,8 MPa (28 bar) for 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"



### Dimensions and Kv

Product code	DN	A [mm]	I [mm]	B [mm]	J [mm]	C [mm]	H [mm]	Kv
R850X021	8	43	21	36	10	43	wr.17	6,6
R850X022	10	46	23	45	13	77	wr.20	6,7
R850X023	15	53	27	51	16	77	wr.25	12,7
R850X024	20	60	30	67	20	95	wr.31	24,6
R850X025	25	74	37	76	25	95	wr.38	48,5
R850X026	32	84	42	85	29	95	wr.47	98,0
R850X027	40	95	47	104	35	137	wr.54	140
R850X028	50	109	54	120	43	137	wr.66	211
R850X029	58	146	73	154	52	173	wr.82	240
R850X030	68	160	80	169	60	173	wr.98	269
R850X031	90	207	104	207	77	187	wr.122	461



### Product specifications

#### R850 - Red lever

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. Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2". Standard port for 2-1/2", 3", 4". 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. 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", 3/8", 1/2", 3/4"; 2,8 MPa (28 bar) for 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4".



### Description

Ball valve, with female-female threaded connections.  
Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2".  
Standard port for 2-1/2", 3", 4".

### Versions and product codes

Product code	Connections	Finishing	Handle type	Handle color
R850X001	G 1/4"F x G 1/4"F	Chrome plated brass	Lever	Yellow
R850X002	G 3/8"F x G 3/8"F	Chrome plated brass	Lever	Yellow
R850X003	G 1/2"F x G 1/2"F	Chrome plated brass	Lever	Yellow
R850X004	G 3/4"F x G 3/4"F	Chrome plated brass	Lever	Yellow
R850X005	G 1"F x G 1"F	Chrome plated brass	Lever	Yellow
R850X006	G 1-1/4"F x G 1-1/4"F	Chrome plated brass	Lever	Yellow
R850X007	G 1-1/2"F x G 1-1/2"F	Chrome plated brass	Lever	Yellow
R850X008	G 2"F x G 2"F	Chrome plated brass	Lever	Yellow
R850X009	G 2-1/2"F x G 2-1/2"F	Chrome plated brass	Lever	Yellow
R850X010	G 3"F x G 3"F	Chrome plated brass	Lever	Yellow
R850X011	G 4"F x G 4"F	Chrome plated brass	Lever	Yellow

### Technical data

#### Main features and materials

- Suitable for dangerous gas and liquid hydrocarbons\*
- Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"
- Standard port for 2-1/2", 3", 4"
- 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
- Steel lever handle with anti-corrosion treatment and yellow PVC coating

#### Field of applications

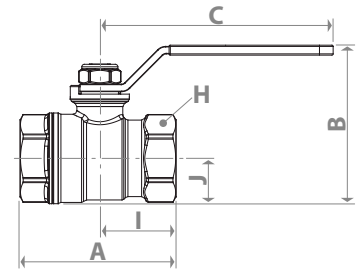
- Temperature range: -20÷60 °C
- Max. working pressure at 20 °C with liquid hydrocarbons\*: 1,2 MPa (12 bar)
- Max. operating pressure (MOP) with gas: 0,5 MPa (5 bar)

\* 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]
R850X001	8	43	21	36	10	43	wr.17
R850X002	10	46	23	45	13	77	wr.20
R850X003	15	53	27	51	16	77	wr.25
R850X004	20	60	30	67	20	95	wr.31
R850X005	25	74	37	76	25	95	wr.38
R850X006	32	84	42	85	29	95	wr.47
R850X007	40	95	47	104	35	137	wr.54
R850X008	50	109	54	120	43	137	wr.66
R850X009	58	146	73	154	52	173	wr.82
R850X010	68	160	80	169	60	173	wr.98
R850X011	90	207	104	207	77	187	wr.122



## Product specifications

### R850 - Yellow lever

Ball valve, with female-female threaded connections. Suitable for dangerous gas and liquid hydrocarbons. Valve made of UNI EN 12165 CW617N chrome plated brass. Full port for 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2". Standard port for 2-1/2", 3", 4". Steel lever handle with anti-corrosion treatment and yellow PVC coating. 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)

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