

# Technical Data Sheet

## Ball valve

### Series VC/VS/VD



14/04/2021

#### Function

All Luxor ball valves consist of CW 617 N brass and are compatible with Luxor manifolds and components. Thanks to the variety of dimensions and models, they are able to satisfy any kind of application need.



#### Technical data

Max. working pressure:	10 bar
Max. differential pressure:	1 bar
Max. working temperature:	90 °C
Working fluids:	water in compliance with UNI 8065:2019

#### Materials

Valve body:	CW 617 N – DW UNI-EN 12165:2016
Pivot pin:	CW 617 N – DW UNI-EN 12165:2016
Chrome-plated ball:	CW 617 N – DW UNI-EN 12165:2016
Gaskets:	PTFE
Pivot pin's double O-ring:	Peroxide cured EPDM + HNBR
Knob:	Aluminium alloy

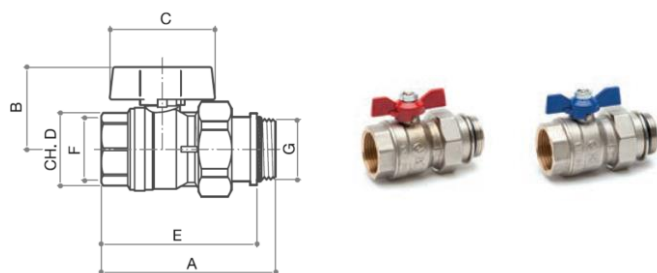
#### Finish

Nickel-plating

## Dimensional drawings

### VC 471

Nickel-plated full-flow ball valve with blue or red butterfly handle and CR 498 fitting with O-ring for connection to manifolds.



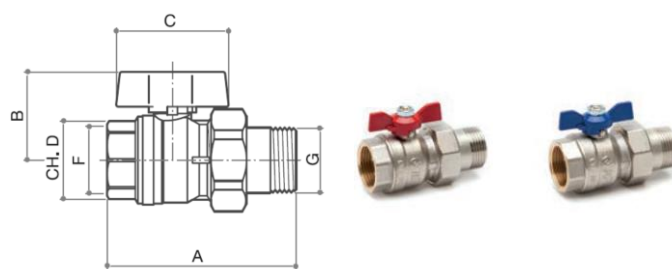
Code	Size	A	B	C	D	E
68559772B	G 1/2-B	69	40	48	25	61
68559772R	G 1/2-R	69	40	48	25	61
68559805B	G 3/4-B	90	39	60	33	80
68559805R	G 3/4-R	90	39	60	33	80
68559807B	G 1"-B	89	43	60	41	78
68559807R	G 1"-R	89	43	60	41	78
68559825B	G 1"1/4-B	123	53	72	50	109
68559825R	G 1"1/4-R	123	53	72	50	109

Code	Size	F	G	H	L	M
68559772B	G 1/2-B	G1/2	G1/2	-	-	-
68559772R	G 1/2-R	G1/2	G1/2	-	-	-
68559805B	G 3/4-B	G3/4	G3/4	-	-	-
68559805R	G 3/4-R	G3/4	G3/4	-	-	-
68559807B	G 1"-B	G1"	G1"	-	-	-
68559807R	G 1"-R	G1"	G1"	-	-	-
68559825B	G 1"1/4-B	G1"1/4	G1"1/4	-	-	-
68559825R	G 1"1/4-R	G1"1/4	G1"1/4	-	-	-

### VC 472

Nickel-plated full-flow ball valve with blue or red butterfly handle and fitting for connection to manifolds.



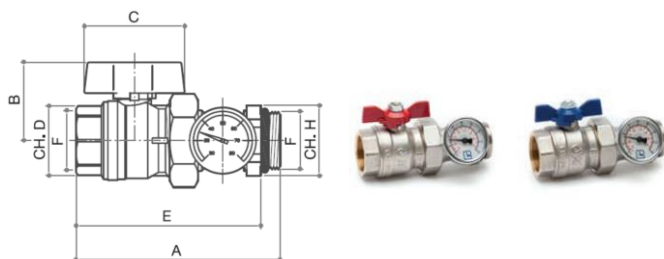
Code	Size	A	B	C	D	E
68559774B	G 1/2-B	73	40	48	25	-
68559774R	G 1/2-R	73	40	48	25	-
68559806B	G 3/4-B	91	39	60	33	-
68559806R	G 3/4-R	91	39	60	33	-
68559808B	G 1"-B	95	43	60	41	-
68559808R	G 1"-R	95	43	60	41	-
68559818B	G 1"1/4-B	126	53	72	50	-
68559818R	G 1"1/4-R	126	53	72	50	-

Code	Size	F	G	H	L	M
68559774B	G 1/2-B	G1/2	G1/2	-	-	-
68559774R	G 1/2-R	G1/2	G1/2	-	-	-
68559806B	G 3/4-B	G3/4	G3/4	-	-	-
68559806R	G 3/4-R	G3/4	G3/4	-	-	-
68559808B	G 1"-B	G1"	G1"	-	-	-
68559808R	G 1"-R	G1"	G1"	-	-	-
68559818B	G 1"1/4-B	G1"1/4	G1"1/4	-	-	-
68559818R	G 1"1/4-R	G1"1/4	G1"1/4	-	-	-

## VC 471/A

Ball valve with blue or red butterfly handle and complete with 0 °C ÷ 80 °C thermometer for manifolds series CD.

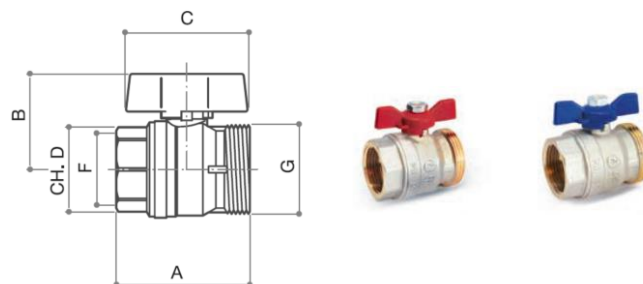


Code	Size	A	B	C	D	E
68559800B	G 1"-B	115	43	60	41	104
68559800R	G 1"-R	115	43	60	41	104

Code	Size	F	G	H	L	M
68559800B	G 1"-B	G1"	-	37	-	-
68559800R	G 1"-R	G1"	-	37	-	-

## VC475

Nickel-plated full-flow ball valve without pipe union, with blue or red butterfly handle.

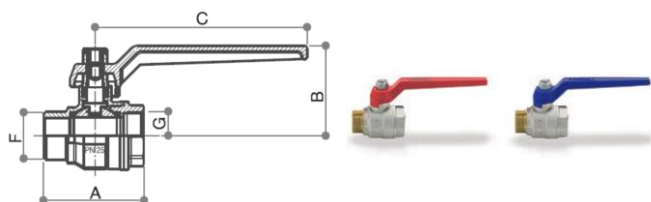


Code	Size	A	B	C	D	E
68559770B	G 1/2-B	45	40	48	25	-
68559770R	G 1/2-R	45	40	48	25	-
68559811B	G 3/4-B	59	39	60	33	-
68559811R	G 3/4-R	59	39	60	33	-
68559809B	G 1"-B	61	43	60	41	-
68559809R	G 1"-R	61	43	60	41	-
68559804B	G 1"1/4-B	87	53	72	50	-
68559804R	G 1"1/4-R	87	53	72	50	-

Code	Size	F	G	H	L	M
68559770B	G 1/2-B	G1/2	G1/2	-	-	-
68559770R	G 1/2-R	G1/2	G1/2	-	-	-
68559811B	G 3/4-B	G3/4	G1"	-	-	-
68559811R	G 3/4-R	G3/4	G1"	-	-	-
68559809B	G 1"-B	G1"	G1"1/4	-	-	-
68559809R	G 1"-R	G1"	G1"1/4	-	-	-
68559804B	G 1"1/4-B	G1"1/4	G1"1/2	-	-	-
68559804R	G 1"1/4-R	G1"1/4	G1"1/2	-	-	-

## VC 476

Nickel-plated full-flow ball valve without pipe union, with blue or red lever.

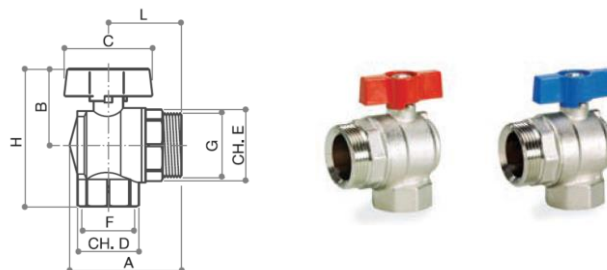


Code	Size	A	B	C	D	E
68559829B	G 1 1/2-B	91	75	150	-	-
68559829R	G 1 1/2-R	91	75	150	-	-

Code	Size	F	G	H	L	M
68559829B	G 1 1/2-B	G 1 1/2	G 1 1/2	-	-	-
68559829R	G 1 1/2-R	G 1 1/2	G 1 1/2	-	-	-

## VS 470

Nickel-plated full-flow ball valve without pipe union, with blue or red butterfly handle.



Code	Size	A	B	C	D	E
68559810B	G 1"-B	72	50	57	39	43
68559810R	G 1"-R	72	50	57	39	43

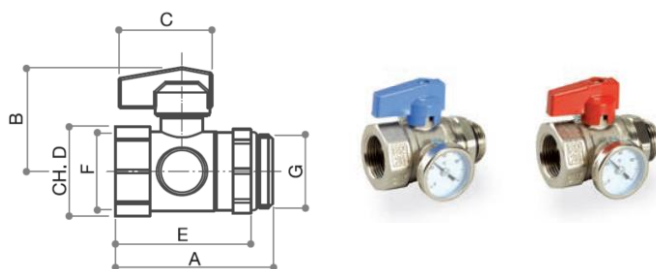
68559776B	G 1 1/4-B	-	-	-	-	-
68559776R	G 1 1/4-R	-	-	-	-	-

Code	Size	F	G	H	L	M
68559810B	G 1"-B	G 1"	G 1 1/4	-	-	-
68559810R	G 1"-R	G 1"	G 1 1/4	-	-	-

68559776B	G 1 1/4-B	G 1 1/4	G 1 1/2	-	-	-
68559776R	G 1 1/4-R	G 1 1/4	G 1 1/2	-	-	-

## VCG 480

Nickel-plated ball valve with thermometer, male swivel thread and blue or red handle.

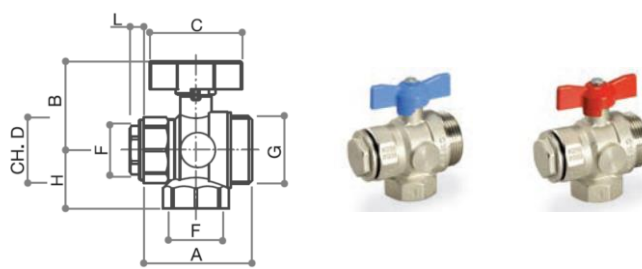


Code	Size	A	B	C	D	E
68559719B	G 1"-B	71	42	42	38	61
68559719R	G 1"-R	71	42	42	38	61

Code	Size	F	G	H	L	M
68559719B	G 1"-B	G 1"	G 1"	-	-	-
68559719R	G 1"-R	G 1"	G 1"	-	-	-

## VCS 476

Straight and angle nickel-plated ball valve without pipe union, with blue or red handle.

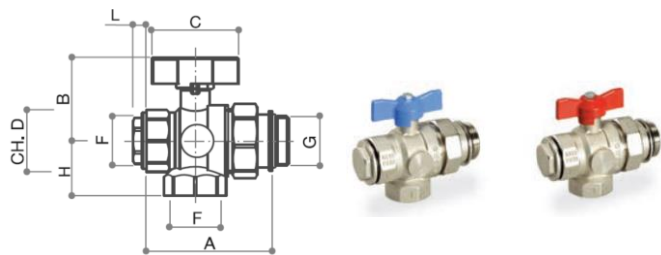


Code	Size	A	B	C	D	E
68559711B	G 1"-B	66,5	55	62	38	-
68559711R	G 1"-R	66,5	55	62	38	-

Code	Size	F	G	H	L	M
68559711B	G 1"-B	G 1"	G 1 1/4	36	9	-
68559711R	G 1"-R	G 1"	G 1 1/4	36	9	-

## VCS 478

Straight and angle nickel-plated ball valve with blue or red handle and CR 498 fitting with O-ring for connection to manifolds.



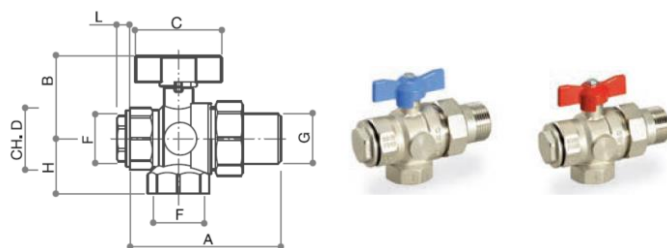
Code	Size	A	B	C	D	E
68559715B	G 1"-B	82	55	62	38	-
68559715R	G 1"-R	82	55	62	38	-

Code	Size	F	G	H	L	M
68559715B	G 1"-B	G1"	G1"	36	9	-
68559715R	G 1"-R	G1"	G1"	36	9	-

## VCS 477

Straight and angle nickel-plated ball valve with blue or red handle and fitting.



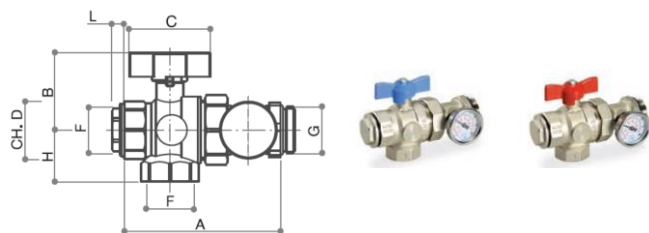
Code	Size	A	B	C	D	E
68559713B	G 1"-B	99	55	62	38	-
68559713R	G 1"-R	99	55	62	38	-

Code	Size	F	G	H	L	M
68559713B	G 1"-B	G1"	G1"	36	9	-
68559713R	G 1"-R	G1"	G1"	36	9	-

## VCS 479

Straight and angle nickel-plated ball valve with blue or red handle, complete with 0 °C ÷ 80 °C thermometer for manifolds series CD.



Code	Size	A	B	C	D	E
68559717B	G 1"-B	110	55	62	38	-
68559717R	G 1"-R	110	55	62	38	-

Code	Size	F	G	H	L	M
68559717B	G 1"-B	G1"	G1"	36	9	-
68559717R	G 1"-R	G1"	G1"	36	9	-

## Item Specifications

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### VC 471

Full-flow ball valve, body made of brass CW 617N UNI-EN 12165-2016. The tightness of the pivot pin is guaranteed by three gaskets, one in PTFE and two O-rings in HNBR and peroxide cured EPDM, lateral gaskets are in highly resistant virgin PTFE. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Fitting with peroxide cured EPDM O-ring for the connection to manifolds. Max. working pressure 10 bar, max. temperature 90°C. Threading G1/2 M, G1/2 F(68559772B – 68559772R); G3/4 M, G3/4 F(68559805B – 68559805R); G1" M, G1" F(68559807B – 68559807R); G1"1/4 M, G1"1/4 F(68559825B – 68559825R).

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### VC 472

Full-flow ball valve with fitting for connection to manifolds, body made of brass CW 617N UNI-EN 12165-2016. The tightness of the pivot pin is guaranteed by three gaskets, one in PTFE and two O-rings in HNBR and peroxide cured EPDM, lateral gaskets are in highly resistant virgin PTFE. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Max. working pressure 10 bar, max. temperature 90°C. Threading G1/2 M, G1/2 F(68559774B – 68559774R); G3/4 M, G3/4 F(68559806B – 68559806R); G1" M, G1" F(68559808B – 68559808R); G1"1/4 M, G1"1/4 F(68559818B – 68559818R).

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### VC 471/A

Ball valve complete with 0°C ÷ 80°C thermometer, body made of brass CW 617N UNI-EN 12165-2016. The tightness of the pivot pin is guaranteed by three gaskets, one in PTFE and two O-rings in HNBR and peroxide cured EPDM, lateral gaskets are in highly resistant virgin PTFE. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Fitting with peroxide cured EPDM O-ring for connection to manifolds. Max. working pressure 10 bar, max. temperature 90°C. Threading G1" M, G1" F.

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### VC 475

Full-flow ball valve, body made of brass CW 617N UNI-EN 12165-2016. The tightness of the pivot pin is guaranteed by three gaskets, one in PTFE and two O-rings in HNBR and peroxide cured EPDM, lateral gaskets are in highly resistant virgin PTFE. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Max. working pressure 10 bar, max. temperature 90°C. Threading G1/2 M, G1/2 F(68559770B – 68559770R); G3/4 M, G3/4 F(68559811B – 68559811R); G1" M, G1" F(68559809B – 68559809R); G1"1/4 M, G1"1/4 F(68559804B – 68559804R).

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### VC 476

Full-flow ball valve with lever, body made of brass CW 617N UNI-EN 12165-2016. The tightness of the pivot pin is guaranteed by three gaskets, one in PTFE and two O-rings in HNBR and peroxide cured EPDM, lateral gaskets are in highly resistant virgin PTFE. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Max. working pressure 10 bar, max. temperature 90°C. Threading G1"1/2 M, G1"1/2 F.

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### VS 470

Full-flow angle ball valve, body made of CW 617N UNI-EN 12165-2016. The tightness of the pivot pin is guaranteed by three gaskets, one in PTFE and two O-rings in HNBR and peroxide cured EPDM, lateral gaskets are in highly resistant virgin PTFE. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Max. working pressure 10 bar, max. temperature 90°C. Threading G1"1/4 M, G1" F(68559810B – 68559810R); G1"1/2 M, G1"1/4 F(68559776B – 68559776R).

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### VCG 480

Ball valve complete with 0°C ÷ 80°C thermometer and male swivel thread, body made of brass CW 617N UNI-EN 12165-2016. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Max. working pressure 10 bar, max. temperature 90°C. Threading G1" M swiveling, G1" F.

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### VCS 476

Straight and square ball valve complete with plug, body made of CW 617N UNI-EN 12165-2016. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Max. working pressure 10 bar, max. temperature 90°C. Threading G1"1/4 M, G1" F, G1" F.

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### VCS 478

Straight and square ball valve complete with plug, body made of CW 617N UNI-EN 12165-2016. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Fitting CR 498 with O-ring for the connection to manifolds. Max. working pressure 10 bar, max. temperature 90°C. Threading G1" M, G1" F, G1" F.

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### VCS 477

Straight and square ball valve complete with plug, body made of CW 617N UNI-EN 12165-2016. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Fitting for the connection to manifolds. Max. working pressure 10 bar, max. temperature 90°C. Threading G1" M, G1" F, G1" F.

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### VCS 479

Straight and square ball valve complete with plug, body made of CW 617N UNI-EN 12165-2016. Pivot pin and ball are both made of CW 617N UNI-EN 12165-2016. Fitting for the connection to manifolds with integrated 0÷80°C thermometer. Max. working pressure 10 bar, max. temperature 90°C. Threading G1" M, G1" F, G1" F.

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