

S30 Ball valves

INTENDED PURPOSE

CALIDO S30 is a series of water ball valves, manually operated, aimed for installation in central heating systems, drinking water distribution systems, pneumatic and oil systems.

SEALING

Their tightness (internal - of the ball and external - of the stem) is guaranteed by sealing from PTFE. In order to increase safety of operation, valve stems are equipped with double sealing:

- at the top of the stem a traditional passive seal is applied, with a possibility of additional sealing with a nut,
- at the bottom of the stem there is a modern dynamic seal, in which the additional sealing force is increased along with the increase in pressure between the ball and the valve body.

TECHNICAL DATA

Scope of temperature for liquids: **-20°C (no freezing) up to 150°C**

Scope of pressure for liquids: **up to 30 bar**

Threads conforming to **PN-EN-ISO 228/1**.

All the materials used for valve production are authorised for contact with drinking water and glycol solution with concentration up to 40%.

CERTIFICATES AND GUARANTEES

It is a product with the attestation of the National Institute of Public Health - National Institute of Hygiene (NIZP-PZH). All valves meet the requirements of the EU Directive 2014/68/EU. National Declaration of Performance (KDWU) No. 5/calido/2022.

CE Certificate for the valves Calido of series S30 in sizes from 1 1/2" to 4". Positive National Technical Assessment (ITB-KOT-2020/1313 edition 3). 100% of valves are subjected to pneumatic leakage testing. Guarantee period for ball valves of Calido series S30 is 5 years from the date of purchase. The guarantee covers replacement or repair of the product along with the costs of these actions.

HANDLE

Valves are equipped with steel handles covered with anti-corrosive layer GEOMET® and a plastic pad. Optionally, they are offered with an aluminium T-handle, which is powder coated.

The structure of the body and the handle allows to change the side of handle installation, depending on the needs.

SAFETY SYSTEMS

Construction and assembly of the stem prevent its pushing out of the valve body, as a result of sudden increase of pressure in the installation.



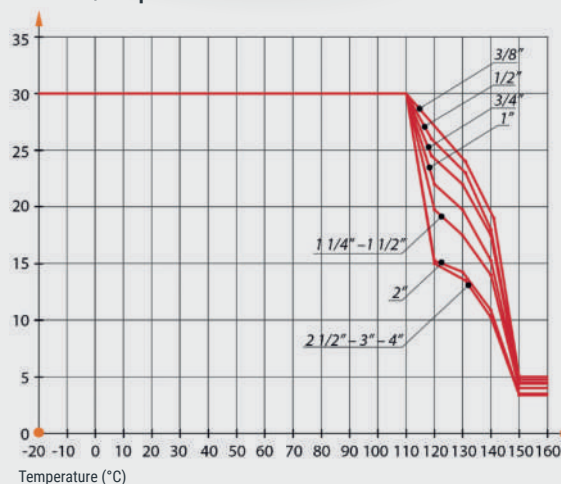
**PROTECTION
CERTIFICATE
69947**

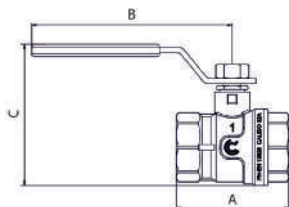
5 YEAR GUARANTEE

**100% OF VALVES
SUBJECTED
TO LEAKAGE TEST**



Pressure / temperature chart

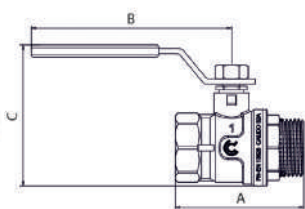


BALL VALVE F-F


Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WWR08*	1/4"	41	70	49
CA/ZK-WWR10*	3/8"	41	70	49
CA/ZK-WWR15-OK**	1/2"	49	94	63
CA/ZK-WWR20-OK**	3/4"	56	94	70
CA/ZK-WWR25-OK**	1"	64	114	81
CA/ZK-WWR32-OK**	1 1/4"	76	114	91
CA/ZK-WWR40-OK	1 1/2"	87	154	104
CA/ZK-WWR50-OK	2"	102	154	118
CA/ZK-WWR65*	2 1/2"	132	174	142
CA/ZK-WWR80*	3"	152	238	168
CA/ZK-WWR100*	4"	176	238	190

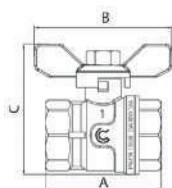
* standard handle (without a window)

** with red/blue handle (-N)

BALL VALVE F-M, HANDLE WITH A WINDOW


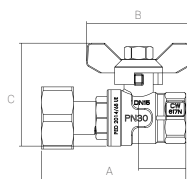
Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WZR15-OK*	1/2"	56	94	63
CA/ZK-WZR20-OK*	3/4"	64	94	70
CA/ZK-WZR25-OK*	1"	73	114	81
CA/ZK-WZR32-OK*	1 1/4"	85	114	90
CA/ZK-WZR40-OK	1 1/2"	98	154	104
CA/ZK-WZR50-OK	2"	119	154	118

* Version with red/blue handle (-N)

BALL VALVE F-F, "BUTTERFLY"


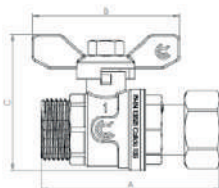
Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WWM10*	3/8"	41	54	46
CA/ZK-WWM15*	1/2"	49	54	54
CA/ZK-WWM20*	3/4"	56	54	61
CA/ZK-WWM25*	1"	64	75	73

* Version with blue handle - code - N

BALL VALVE F-F WITH SWIVEL NUT, "BUTTERFLY"


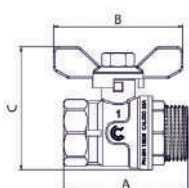
Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WWRNM15*	1/2"	72	53	53
CA/ZK-WWRNM20*	3/4"	79	53	61
CA/ZK-WWRNM25*	1"	73	75	90
CA/ZK-WWRNM32*	1 1/4"	83	75	109
CA/ZK-WWRNM1520*	1/2" x 3/4"	74	53	53
CA/ZK-WWRNM2025*	3/4" x 1"	84	53	61

* Version with blue handle - code - N

BALL VALVE F-M WITH SWIVEL NUT, "BUTTERFLY"


Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WZRN15*	1/2"	72	54	54
CA/ZK-WZRN20*	3/4"	81	54	61
CA/ZK-WZRN25*	1"	91	75	73
CA/ZK-WZRN32*	1 1/4"	83	75	111
CA/ZK-WZRN1520*	1/2" x 3/4"	75	53	53
CA/ZK-WZRN2025*	3/4" x 1"	85	53	61

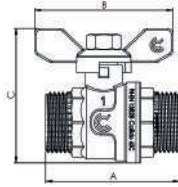
*Version with blue handle - code - N

BALL VALVE F-M, "BUTTERFLY"


Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WZM15*	1/2"	56	54	54
CA/ZK-WZM20*	3/4"	64	54	61
CA/ZK-WZM25*	1"	73	75	73

* Version with blue handle - code - N

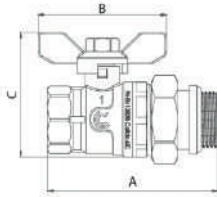
BALL VALVE M-M, "BUTTERFLY"



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-ZZPM15*	1/2"	56	54	54
CA/ZK-ZZPM20*	3/4"	64	54	61
CA/ZK-ZZPM25*	1"	72	75	73

* Version with blue handle - code - N

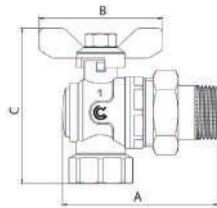
BALL VALVE F-M STRAIGHT, WITH HALF-UNION AND O-RING, "BUTTERFLY"



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WZPM15-O*	1/2" x 3/4" x 1/2"	81	54	56
CA/ZK-WZPM20-O*	3/4" x 1" x 3/4"	86	54	61
CA/ZK-WZPM25-O*	1" x 1 1/4" x 1"	102	75	72
CA/ZK-WZPM32-O*	1 1/4" x 1 1/2" x 1 1/4"	114	75	82
CA/ZK-WZPM15*	1/2" x 3/4" x 1/2"	78	54	56
CA/ZK-WZPM20*	3/4" x 1" x 3/4"	87	54	64
CA/ZK-WZPM25*	1" x 1 1/4" x 1"	99	75	77

* Version with blue handle - code - N

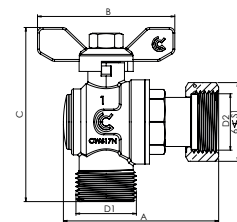
BALL VALVE F-M ANGLE, WITH HALF-UNION AND O-RING, "BUTTERFLY"



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-KWZPM15-O*	1/2" x 3/4" x 1/2"	75	54	71
CA/ZK-KWZPM20-O*	3/4" x 1" x 3/4"	81	54	80
CA/ZK-KWZPM25-O*	1" x 1 1/4" x 1"	93	75	95
CA/ZK-KWZPM15*	1/2" x 3/4" x 1/2"	76	54	75
CA/ZK-KWZPM20*	3/4" x 1" x 3/4"	86	54	84
CA/ZK-KWZPM25*	1" x 1 1/4" x 1"	91	75	95

* Version with blue handle - code - N

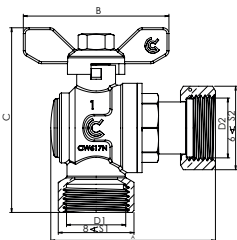
BALL VALVE F-M ANGLE, WITH SWIVEL NUT, "BUTTERFLY"



Code	Size	A (mm)	B (mm)	C (mm)	S1 (mm)
CA/ZK-KZWRNM1515*	1/2" x 1/2"	66	53,5	71	25
CA/ZK-KZWRNM2020*	3/4" x 3/4"	75,5	53,5	80	32
CA/ZK-KZWRNM2525*	1" x 1"	85	75	95	38

* Version with blue handle - code - N

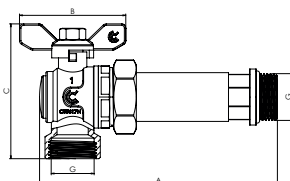
BALL VALVE F-F ANGLE, WITH SWIVEL NUT, "BUTTERFLY"



Code	Size	A (mm)	B (mm)	C (mm)	S1 (mm)	S2 (mm)
CA/ZK-KWWRNM1515*	1/2" x 1/2"	66	53,5	71	24	25
CA/ZK-KWWRNM2020*	3/4" x 3/4"	75,5	53,5	80	30	32
CA/ZK-KWWRNM2525*	1" x 1"	85	75	95	37	38

* Version with blue handle - code - N

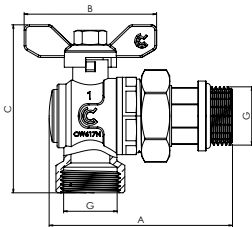
ANGLE BALL VALVE F-M, "BUTTERFLY"



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-KWZPMR-25-C	1"	168	75	95

* Version with half-connection, o-ring and red butterfly handle to the upper beam manifold

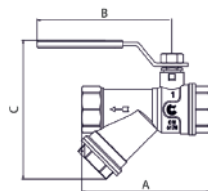
ANGLE BALL VALVE F-M, "BUTTERFLY"



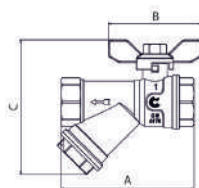
SET OF: ANGLE BALL VALVE F-M, ANGLE BALL VALVE F-M, "BUTTERFLY"



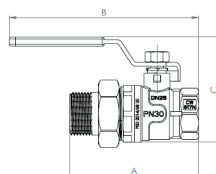
BALL VALVE F-F WITH FILTER / MAGNETIC INSERT



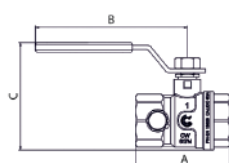
BALL VALVE F-F WITH FILTER, "BUTTERFLY"



BALL VALVE F-M STRAIGHT, WITH HALF-UNION



BALL VALVE F-F WITH DRAIN AND VENT



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-KWZPMR-25-N	1"	104	75	95

with half-connection, o-ring and red butterfly handle to the lower beam manifold

Code	Size	Set
CA/ZK-KWZPMR-25-KPL	1"	1

SET OF:
ANGLE BALL VALVE F-M
with half-connection, o-ring and red butterfly handle to the upper beam manifold

ANGLE BALL VALVE F-M
with half-connection, o-ring and red butterfly handle to the lower beam manifold

Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WWFR15*	1/2"	78	91	94
CA/ZK-WWFR20*	3/4"	96	102	94
CA/ZK-WWFR25*	1"	108	120	119
CA/ZK-WWFR15**	1/2"	81	94	89
CA/ZK-WWFR20**	3/4"	98	94	100
CA/ZK-WWFR25**	1"	110	114	116

* Version with blue handle - code - N

** Available in a version with a filter and a magnetic insert (Version with blue handle - code - N)

Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WWFM15*	1/2"	78	54	81
CA/ZK-WWFM20*	3/4"	96	54	93
CA/ZK-WWFM25*	1"	108	75	110

* Version with blue handle - code - N

Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WZPR15-OK*	1/2"x3/4"x1/2"	78	118	62
CA/ZK-WZPR20-OK*	3/4"x1"x3/4"	87	122	69
CA/ZK-WZPR25-OK*	1x1 1/4"x1"	99	146	81

* with red/blue handle (-N)

Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WWSOR15*	1/2"	56	94	63
CA/ZK-WWSOR20*	3/4"	65	94	70
CA/ZK-WWSOR25*	1"	71	114	81

* with red/blue handle (-N)

BALL VALVE F-F WITH SWIVEL NUT 1" AND THERMOMETER



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-WWRNT25-CZ	1"	90	73	88
CA/ZK-WWRNT25-N	1"	90	73	88

SERIA MINI

BALL VALVE MINI F-M



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-MINI15-CZ	1/2"	48	45	33
CA/ZK-MINI15-N	1/2"	48	45	33

Valve operating parameters MINI: T WORK = 110°C, PN 30 bar

BALL VALVE MINI M FOR PEX 16 x 2.0 PIPES



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZK-MINI1/2X16CZ	1/2"x16x2,0	58	33	44
CA/ZK-MINI1/2X16N	1/2"x16x2,0	58	33	44

Valve operating parameters MINI PEX: T WORK = 95°C, PN 10 bar

DRAIN VALVE M WITH PLUG AND A HOSE CONNECTOR



Code	Size	A (mm)	B (mm)	C (mm)
CA/ZKS-15	1/2"	68	40	43
CA/ZKS-20	3/4"	74	40	43
CA/ZKS-PN15*	1/2"	72	40	43

*Model with a sealing ring, locknut, plug and hose connector
*Valve operating parameters: Tmax=110°C, PN 25 bar

PLUGS WITH BALL VALVES

55/60 CONTAINER PLUG WITH A CALIDO BALL VALVE 3/4" FROM THE S30 SERIES AND A QUICK-COUPLING

Code: CA/ZK-KOREK WZR20 Tmax 90°C, PN 30 bar

55/60 CONTAINER PLUG WITH A CALIDO BALL VALVE 1" FROM THE S30 SERIES

Code: CA/ZK-KOREK WZR25



S30 PRO

out now!



Improvements that take our valves to an even **higher level!**

- Stainless steel ball**
elimination of water contact with chromium
- A nut** made of stainless steel
corrosion resistance
- A butterfly** made of black powder-coated steel
resistance to mechanical damage
- CW617N brass compliant with 4MS guidelines**
for reduced lead and nickel content.

Arka Sp. z o.o.
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Watch tutorial videos
arka-instalacje.pl/filmy-x/

