
Calido

# Valves and couplings for radiators
## **Eskimos** series

See video tutorials:

calido.pl

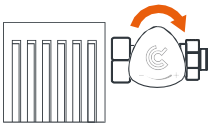
# Radiator valves

- Galvanic coating: **nickel**
- Same installation length of supply and return valves
- Possibility to adjust and cut the flow with a 6 mm Allen key for return valves
- Kv = **2.4 m³/h** (straight couplings)
- Kv = **2.8 m³/h** (angled couplings)

INNOVATIVE **SOLUTION**

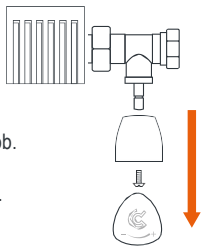
## O-ring replacement instructions without water draining from the system

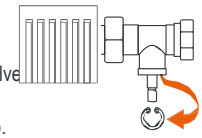
### SUPPLY



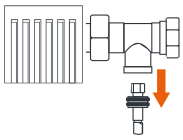
1. Close the flow, turning the knob clockwise.

2. Remove the knob cover, unscrew the mounting screw and remove the knob.
**Tool:** screwdriver, Phillips screwdriver.



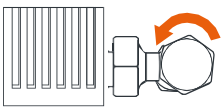


3. Remove the valve stem locking retaining circlip.
**Tool:** pliers for circlips.

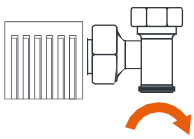


4. Advance the upper part of the stem and replace o-rings.
**Tool:** pliers.

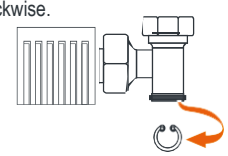
### RETURN



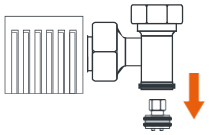
1. Unscrew the valve plug, turning it counter-clockwise.



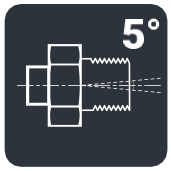
2. Close the flow, turning the stem clockwise.
**Tool:** 6 mm Allen key.



3. Remove the valve stem locking retaining circlip.
**Tool:** pliers for circlips.



4. Advance the upper part of the stem and replace o-rings.
**Tool:** pliers.




DEVIATION POSSIBILITY: 5°

REPLACEABLE O-RINGS

MONOBLOCK BODY

Only the water in the radiator above the valve will leak when replacing the O-rings according to the instructions.

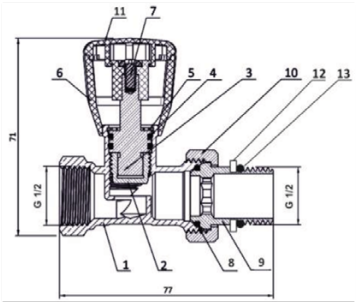
# **Supply/return** radiator valves

## SUPPLY

### CA/ZG-ZP1/2
### CA/ZG-ZP1/2-O*

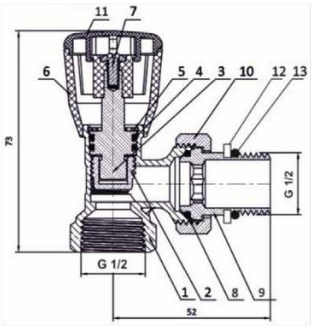
* version with O-ring

PN = **16 bar,** T max = **110 ° C**




### CA/ZG-ZK1/2
### CA/ZG-ZK1/2-O*

PN = **16 bar,** T max = **110 ° C**

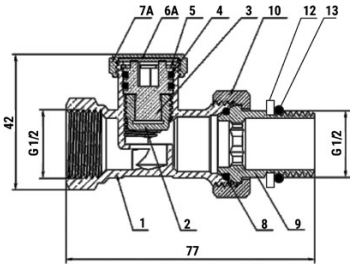



## RETURN

### CA/ZG-PP1/2
### CA/ZG-PP1/2-O*

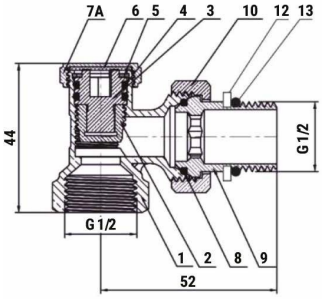
* version with O-ring

PN = **16 bar,** T max = **110 ° C**




### CA/ZG-PK1/2
### CA/ZG-PK1/2-O*

PN = **16 bar,** T max = **110 ° C**




| No. | Item | Material | Finish |
|---|---|---|---|
| 1 | Body | Brass CW617N | Nickel-plated |
| 2 | Spindle sealing element | Brass CW617N | - |
| 3 | Spindle driving element | Brass CW617N | - |
| 4 | 12x1.8 O-rings | EPDM rubber | - |
| 5 | W16 circlip | Stainless steel | - |
| 6 | Knob | ABS | Polished |
| 6A | Cover gasket | Fibre-reinforced gasket material | - |
| 7 | M4x8 screw | Stainless steel | - |

| No. | Item | Material | Finish |
|---|---|---|---|
| 7A | Valve plug | Brass CW617N | Nickel-plated |
| 8 | 17x2 O-ring | EPDM rubber | - |
| 9 | Half pipe union nipple | Brass CW617N | Nickel-plated |
| 10 | Nut | Brass CW617N | Nickel-plated |
| 11 | Knob cover | ABS | Polished |
| 12* | O-ring ring | Brass CW617N | Nickel-plated |
| 13* | O-ring | EPDM rubber | - |

* valve version with half pipe union O-ring

# Radiator valves

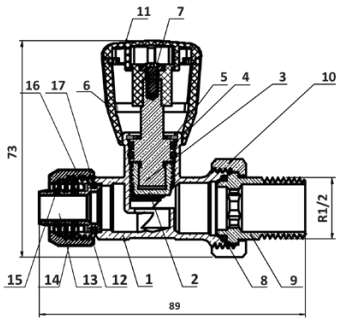
## Radiator valves **with 16x2.0 PEX/AL/PEX pipe coupling**

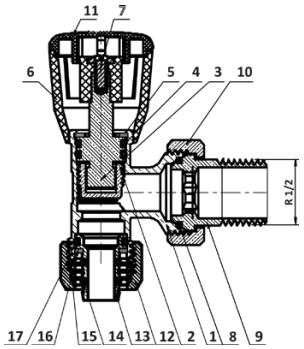
### SUPPLY

**CA/ZG-ZPPEX1/2X16**

**CA/ZG-ZKPEX1/2X16**

**valve:** T max = **95 ° C**, PN = **16 bar**
**coupling:** T max = **95 ° C**, PN = **10 bar**



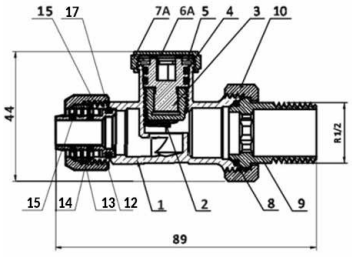

### RETURN

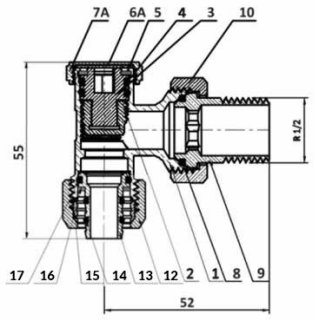
**CA/ZG-PPPEX1/2X16**
**CA/ZG-PPPEX-O***

**CA/ZG-PKPEX1/2X16**
**CA/ZG-PKPEX-O***

* version with O-ring

**valve:** T max = **95 ° C**, PN = **16 bar**
**coupling:** T max = **95 ° C**, PN = **10 bar**




| No. | Item | Material | Finish |
|---|---|---|---|
| 1 | Body | Brass CW617N | Nickel-plated |
| 2 | Spindle sealing element | Brass CW617N | - |
| 3 | Spindle driving element | Brass CW617N | - |
| 4 | 12x1.8 O-rings | EPDM rubber | - |
| 5 | W16 circlip | Stainless steel | - |
| 6 | Knob | ABS | Polished |
| 6A | Cover gasket | Fibre-reinforced gasket material | - |
| 7 | M4x8 screw | Stainless steel | - |
| 7A | Valve plug | Brass CW617N | Nickel-plated |
| 8 | 17x2 O-ring | EPDM rubber | - |
| 9 | Half pipe union nipple | Brass CW617N | Nickel-plated |

| No. | Item | Material | Finish |
|---|---|---|---|
| 10 | Nut | Brass CW617N | Nickel-plated |
| 11 | Knob cover | ABS | Polished |
| 12 | PEX coupling nut | Brass CW617N | Nickel-plated |
| 13 | PEX pipe adapter | Brass CW617N | - |
| 14 | 8.5x1.5 O-ring | EPDM rubber | - |
| 15 | PEX pipe clamping ring | Brass CW617N | - |
| 16 | Washer | PTFE | - |
| 17 | 13x1.8 O-ring | EPDM rubber | - |
| 18* | O-ring ring | Brass CW 617N | Nickel-plated |
| 19* | O-ring | EPDM rubber | - |

* valve version with half pipe union O-ring

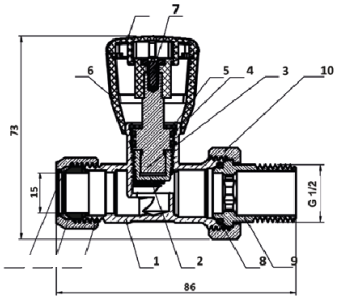
# Radiator valves **with DN 15 copper pipe coupling**

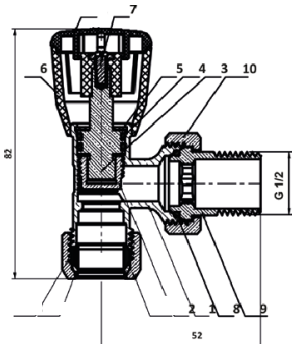
## SUPPLY

**CA/ZG-ZPCU1/2X15**

**CA/ZG-ZKCU1/2X15**

**valve:** T max = **95 ° C**, PN = **16 bar**
**coupling:** T max = **95 ° C**, PN = **10 bar**



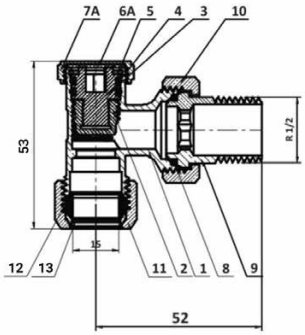



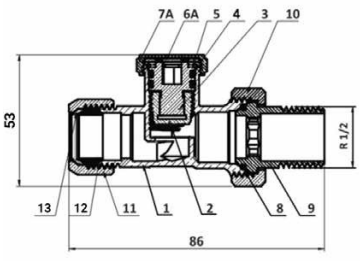

## RETURN

**CA/ZG-PKCU1/2X15**

**CA/ZG-PPCU1/2X15**

**valve:** T max = **95 ° C**, PN = **16 bar**
**coupling:** T max = **95 ° C**, PN = **10 bar**




| No. | Item | Material | Finish |
|---|---|---|---|
| 1 | Body | Brass CW 617N | Nickel-plated |
| 2 | Spindle sealing element | Brass CW 617N | - |
| 3 | Spindle driving element | Brass CW 617N | - |
| 4 | 12x1.8 O-rings | EPDM rubber | - |
| 5 | W16 circlip | Stainless steel 1.4301 | - |
| 6 | Knob | ABS | Polished |
| 6A | Cover gasket | Fibre-reinforced gasket material | |
| 7 | M4x8 screw | Stainless steel | - |

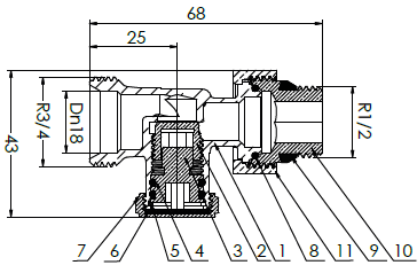
| No. | Item | Material | Finish |
|---|---|---|---|
| 7A | Valve plug | Brass CW 617N | Nickel-plated |
| 8 | 17x2 O-ring | EPDM rubber | - |
| 9 | Half pipe union nipple | Brass CW617N | Nickel-plated |
| 10 | Nut | Brass CW 617N | Nickel-plated |
| 10A | Knob cover | Brass CW617N | Polished |
| 11 | CU coupling nut | Brass CW 617N | Nickel-plated |
| 12 | Sealing ring | EPDM rubber | - |
| 13 | Clamping ring | Brass CW 617N | - |

# Lower radiator couplings

## with nipples, without bridge

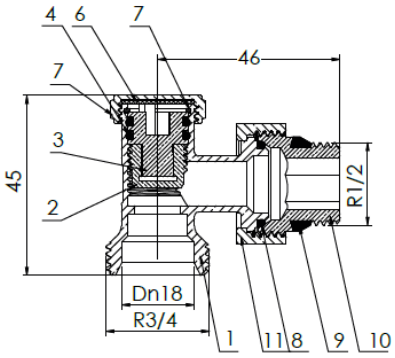
**STRAIGHT**

**A/ZG-PGP1/2**




**ANGLED**

**CA/ZG-PGK1/2**




- Possibility to adjust and cut the flow with a 6 mm Allen key
- With **1/2"x3/4"** nipples
- Without valve connecting bridge
- Forged bodies
- Galvanic coating: nickel
- Kv = **2,4 m³/h** (straight coupling)
- Kv = **2,8 m³/h** (angled coupling)

ALLEN KEY ADJUSTMENT 6 mm

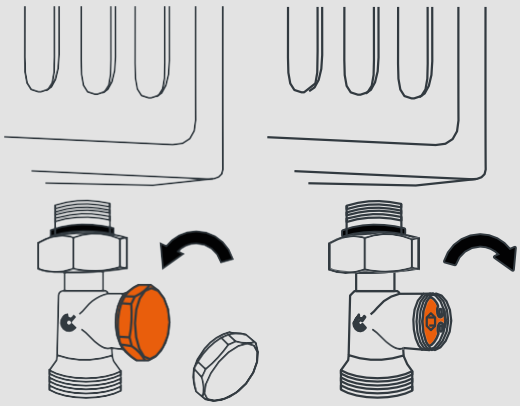
REPLACEABLE O-RINGS

MONOBLOCK BODY

PN = **16 bar,** T max = **110 °C**

| No. | Item | Material | Finish |
|---|---|---|---|
| 1 | Body | Brass CW617N | Nickel-plated |
| 2 | Spindle sealing element | Brass CW617N | - |
| 3 | Spindle driving element | Brass CW617N | - |
| 4 | 12x1.8 O-rings | EPDM rubber | - |
| 5 | W16 circlip | Stainless steel | - |
| 6 | Cover gasket | Fibre-reinforced gasket material | - |
| 7 | Valve plug | Brass CW617N | Nickel-plated |
| 8 | 16x1.8 O-rings | EPDM rubber | - |
| 9 | Sealing ring | NBR rubber | - |
| 10 | 1/2"X3/4" nipple | Brass CW617N | - |
| 11 | Nut | Brass CW617N | Nickel-plated |

**O-ring replacement instructions without water draining from the system.**



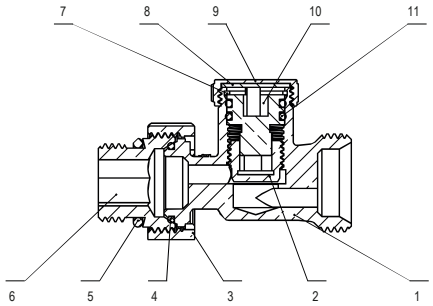
**1.** Unscrew the valve plug, turning it counter-clockwise.

**2.** Close the flow, turning the stem clockwise. **Tool:** 6 mm Allen key.

# with nipples, with bridges

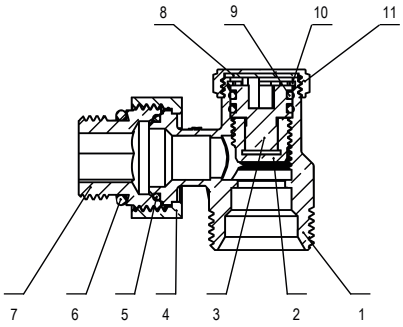
## STRAIGHT

**CA/ZG-PGMP1/2**




## ANGLED

**CA/ZG-PGMK1/2**



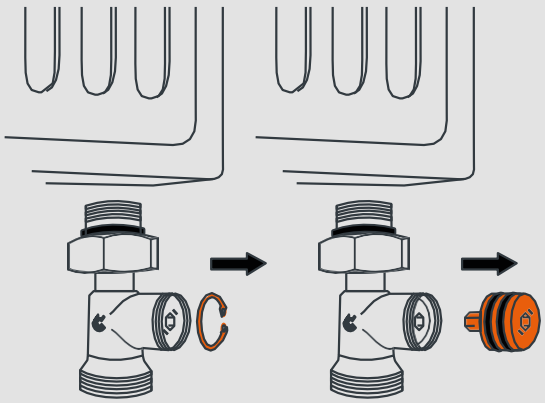

- Possibility to adjust and cut the flow with a 6 mm Allen key
- With **1/2”x3/4”** nipples
- With valve connecting bridge
- Forged bodies
- Galvanic coating: nickel
- Kv = **1,58 m³/h** (straight coupling)
- Kv = **2,11 m³/h** (angled coupling)

ALLEN KEY ADJUSTMENT 6 mm

REPLACEABLE O-RINGS

MONOBLOCK BODY

PN = **10 bar,** T max = **110 °C**



**3.** Remove the valve stem locking retaining circlip. **Tool:** pliers for circlips.

**4.** Advance the upper part of the stem and replace o-rings. **Tool:** pliers.

| No. | Item | Material | Finish |
|---|---|---|---|
| 1 | Body | Brass CW617N | Sand-blasted, nickel-plated |
| 2 | Spindle sealing element | Brass CW617N | - |
| 3 | Spindle driving element | Brass CW617N | - |
| 4 | Nut | Brass CW617N | Nickel-plated |
| 5 | O-ring | EPDM | - |
| 6 | O-ring | EPDM | - |
| 7 | Nipple | Brass CW617N | - |
| 8 | Gasket | Fibre-reinforced gasket material | - |
| 9 | O-ring | EPDM | - |
| 10 | Retaining circlip | Steel | Dacromet |
| 11 | Nut | Brass CW617N | Nickel-plated |

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