

# Термостатические вентили осевые

## 0108, 0128, 1827

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Тюмень (3452)66-21-18  
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Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: [fro@nt-rt.ru](mailto:fro@nt-rt.ru) || сайт: <https://far.nt-rt.ru/>

## TOPFAR VALVES



### Art. 0108

TOPFAR thermostatic angled valve

- Interchangeable sizes for copper, plastic and multilayer pipes
- Size: 3/8" - 1/2"
- Installation: water supplied to radiator



### Art. 0128

TOPFAR angled lockshield valve

- Interchangeable sizes for copper, plastic and multilayer pipes
- Size: 3/8" - 1/2"
- Installation: returned water from radiator



### Art. 1827

Thermostatic control head. Built-in sensor with liquid-filled element.

- Temperature range: 7 - 28°C
- High chrome finish

## 1. DESCRIPTION

TOPFAR thermostatic valves and lockshield valves are preset for assembly of thermostatic or thermo-electric heads, which actuate valve opening or closing.

This latest in a series of high-tech valves and lockshield valves enhances the wide range of LadyFAR products. TOPFAR models feature a top quality design that combines function and sophistication in keeping with the certified quality and reliability that distinguish all FAR components.

A variety of methods is available for connecting radiators into a distribution network, but the most commonly used are the following: lateral, opposite and bottom connection.

The new thermostatic head allows automatic opening and closing of individual radiator valves - maintaining constant room temperature. This new FAR thermostatic head features a compact, modern design and is available in two versions: with either white or high chrome finish. The high chrome version makes a perfect companion for TOP line valves.



### OPPOSITE CONNECTION

This method ensures maximum efficiency, as hot water has to pass through the whole heating body of the radiator. From an installation point of view, however, the situation is more complicated because it is necessary to be aware of the centre line between valve and lockshield valve and the length of the radiator.



### BOTTOM CONNECTION

This is the least used and is achieved by making both connections at the bottom. Heat release is reduced from 5% to 10%, as water flow is directed towards exiting from the radiator.



### LATERAL CONNECTION

Lateral is the most common type of connection: it permits good radiator efficiency and easy installation as the only thing necessary bear in mind is the centre line between valve and lockshield valve.

**2. TOPFAR THERMOSTATIC VALVES**

Also available with iron pipe connection



**Art. 0108**  
Thermostatic angled valve  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: water supplied to radiator



**Art. 0109**  
Thermostatic angled valve  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: water supplied to radiator



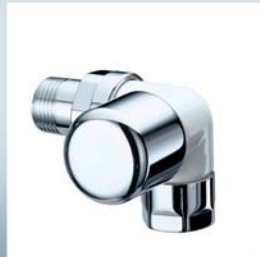
**Art. 0128**  
Angled lockshield valve  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: returned water from radiator



**Art. 0129**  
Angled lockshield valve  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: returned water from radiator



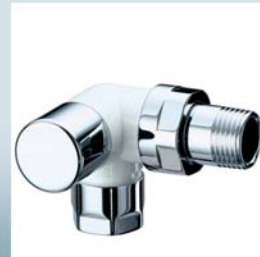
**Art. 0101**  
Thermostatic valve, angled-left version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: water supplied to radiator



**Art. 0111**  
Thermostatic valve, angled-left version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: water supplied to radiator



**Art. 0122**  
Lockshield valve, angled-right version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: returned water from radiator



**Art. 0132**  
Lockshield valve, angled-right version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: returned water from radiator



**Art. 0102**  
Thermostatic valve, angled-right version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: water supplied to radiator



**Art. 0112**  
Thermostatic valve, angled-right version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: water supplied to radiator



**Art. 0121**  
Lockshield valve, angled-left version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: returned water from radiator



**Art. 0131**  
Lockshield valve, angled-left version  
- Interchangeable sizes for copper, plastic and multilayer pipe  
- Size: 3/8" - 1/2"  
- Installation: returned water from radiator

**Installation overview of Art.0108 and Art.0102-0121 on radiator.**

In addition to thermostatic valves suitable for normal positioning of thermostatic or thermo-electric heads (Fig.1) FAR offers space-saving valves which permit a choice of flow direction dependant on system constraints and available space (Fig.2).



Fig.1

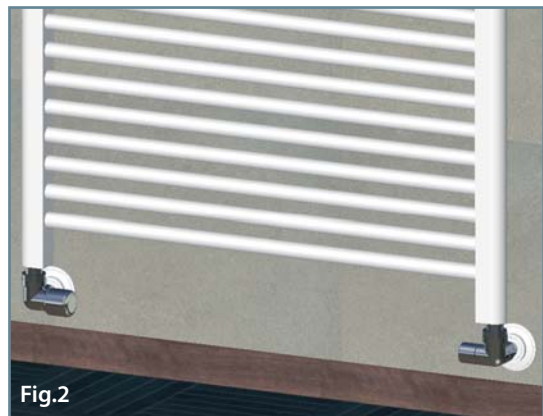
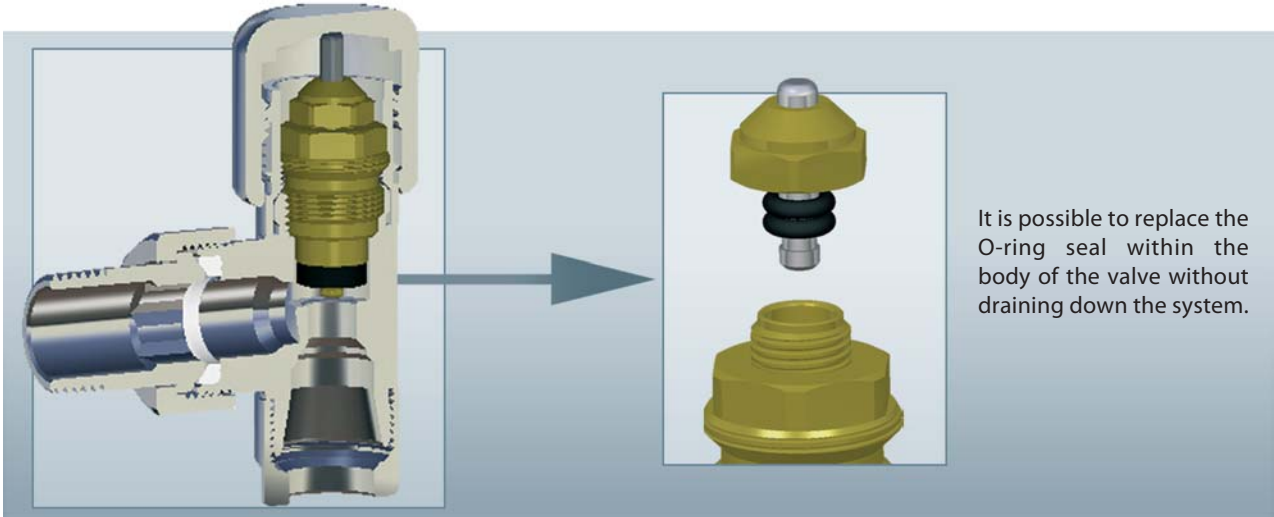
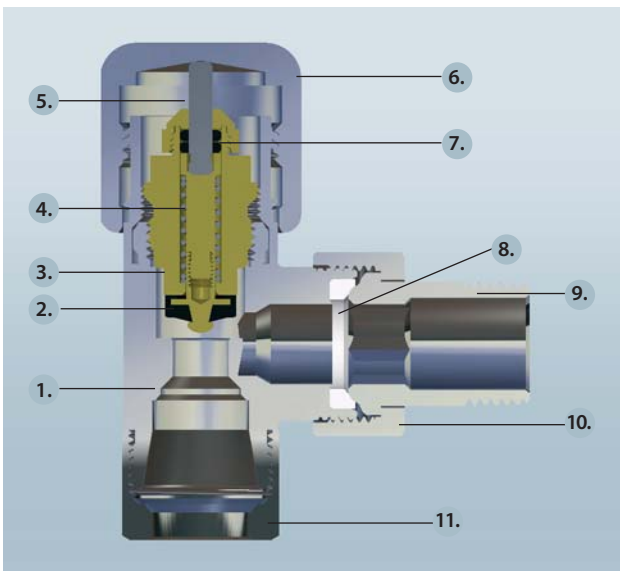


Fig.2

**3. CONSTRUCTION FEATURES**


It is possible to replace the O-ring seal within the body of the valve without draining down the system.

**4. CONSTRUCTION MATERIALS AND TECHNICAL FEATURES**

**Construction Materials**

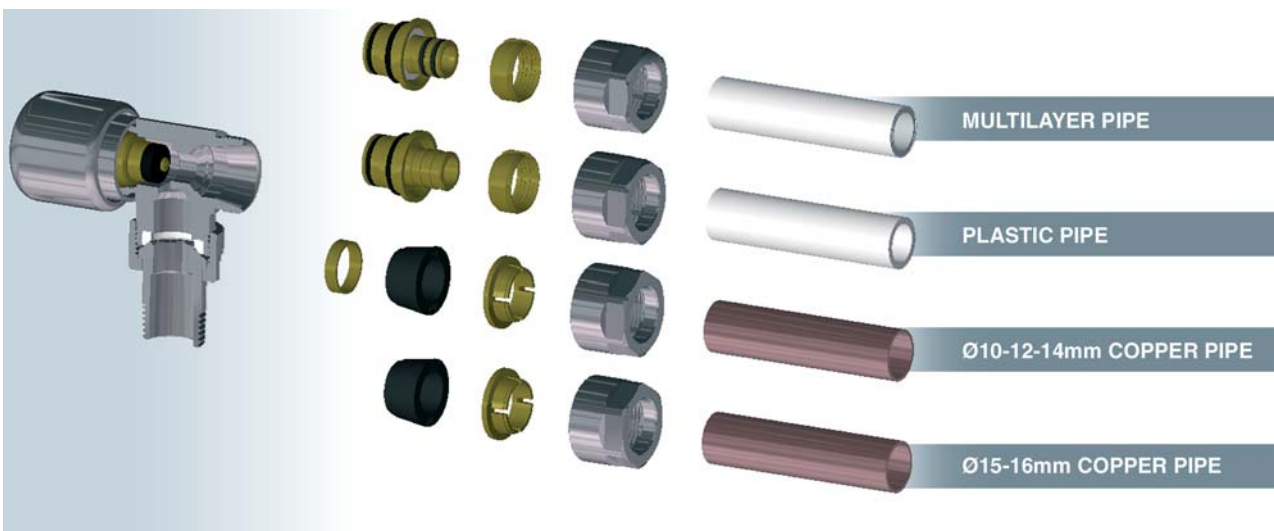
|                             |                |
|-----------------------------|----------------|
| 1. Valve body               | CW617N brass   |
| 2. Shutter                  | EPDM           |
| 3. Body                     | CW614N brass   |
| 4. Spring                   | AISI 302 steel |
| 5. Pin                      | AISI 303 steel |
| 6. Handle                   | CW614N brass   |
| 7. Sealing O-rings          | EPDM           |
| 8. Sealing seat             | HPF            |
| 9. Terminal body            | CW617N brass   |
| 10. Tightening terminal nut | CW617N brass   |
| 11. Nut                     | CW617N brass   |

**Technical features**

|                    |                          |
|--------------------|--------------------------|
| Nominal pressure:  | 16 bar                   |
| Max. temperature:  | 95° C                    |
| Compatible fluids: | water, water with glycol |

**5. INSTALLATION COMPONENTS**

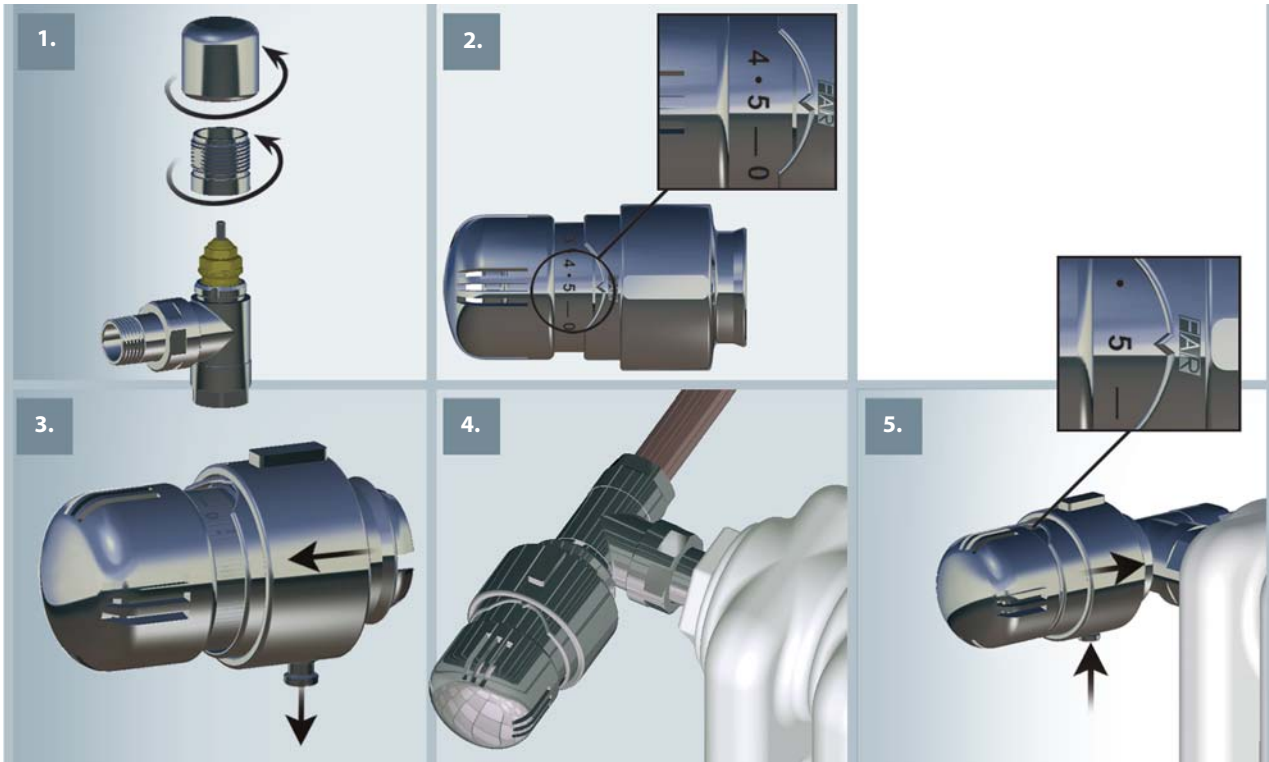
TOPFAR valves and lockshield valves are available with iron and interchangeable connections for copper, plastic and multilayer pipe.



**6. INSTALLATION OF THERMOSTATIC HEAD**

The thermostatic head of TOPFAR models is provided with a liquid sensor, which detects temperature variations and opens or closes the valve accordingly. It has a regulating scale numbered from 1 to 5 to permit selection of the desired temperature.

1. Unscrew the handle and the brass support, extracting them from the valve body
2. Set the selector to position 5
3. Pull the ring towards the selector and the locking key towards the lower part
4. Position the head, as indicated below, in the appropriate grooves
5. Move the locking ring towards the valve, up to the FAR logo and push the locking key.

**Installation procedure**


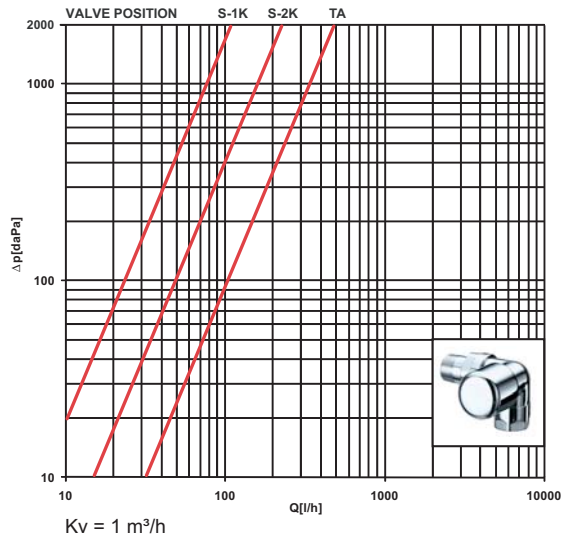
| POSITION | CORRESPONDING TEMPERATURE (°C) |
|----------|--------------------------------|
| 0        | NO RADIATOR                    |
| ☼        | 7                              |
| 1        | 12                             |
| 2        | 16                             |
| 3        | 20                             |
| 4        | 24                             |
| 5        | 28                             |

**7. THERMOSTATIC HEAD TECHNICAL FEATURES**

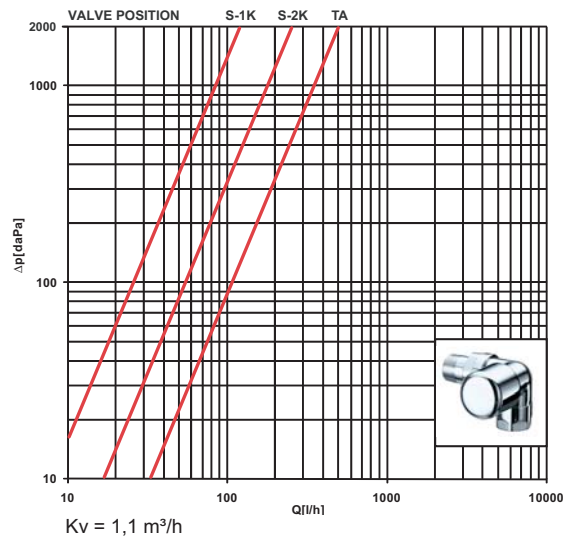
|                                      |           |
|--------------------------------------|-----------|
| Max. differential pressure:          | 1 bar     |
| Reference point:                     | 3 = 20° C |
| Max. room temperature:               | 50°C      |
| Temperature range:                   | 7-28°C    |
| Antifreeze operation:                | 7°C       |
| Hysteresis:                          | 0,35K     |
| Proportional band:                   | 2°C       |
| Response time- 6.4.1.13 EN215 point: | 23 min    |

8. FLUID DYNAMIC FEATURES

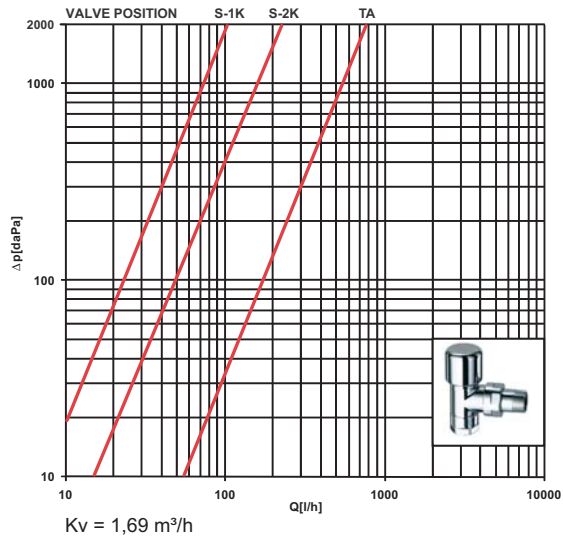
Art. 0101-0102-0103-0104-0111-0112-0113-0114 38



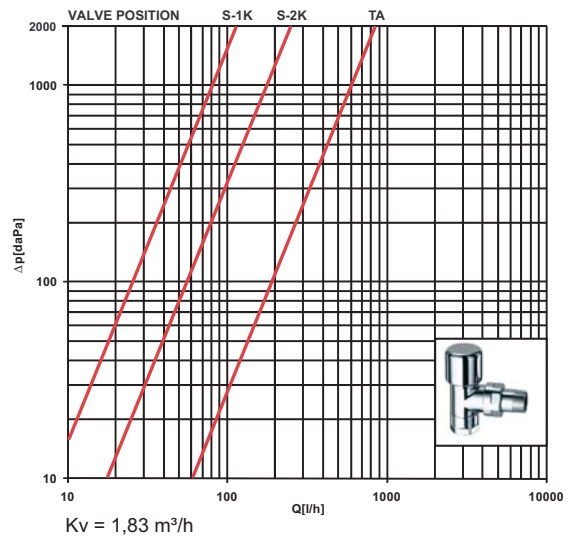
Art. 0101-0102-0103-0104-0111-0112-0113-0114 12



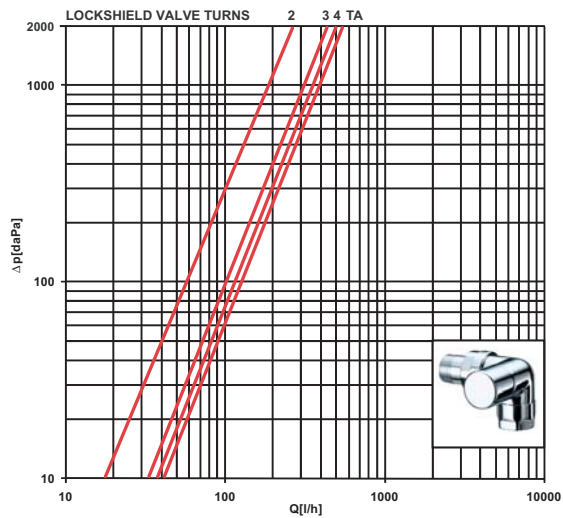
Art. 0108-0109-0148-0149 38



Art. 0108-0109-0148-0149 12

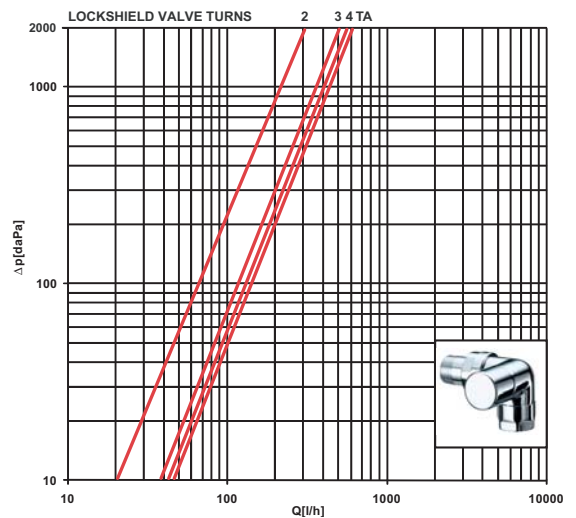


Art. 0121-0122-0123-0124-0131-0132-0133-0134 38

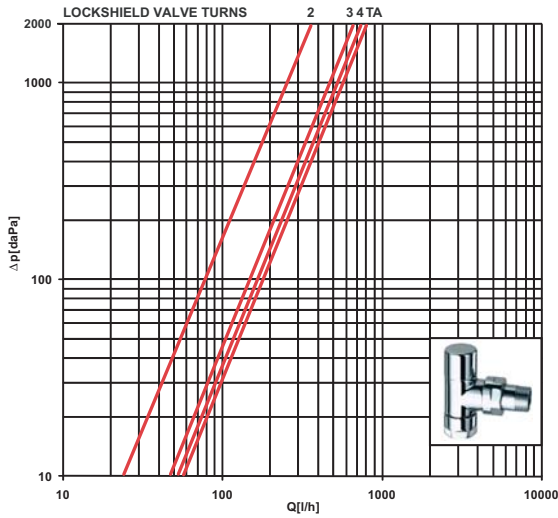


| TURNS                  | 2    | 3    | 4    | TA   |
|------------------------|------|------|------|------|
| Kv [m <sup>3</sup> /h] | 0,62 | 0,99 | 1,08 | 1,19 |

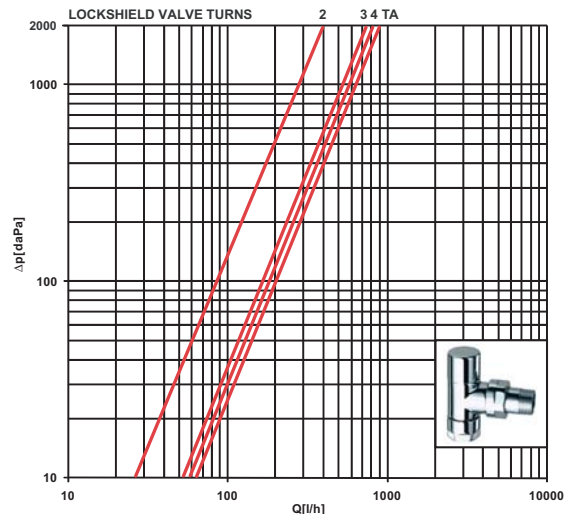
Art. 0121-0122-0123-0124-0131-0132-0133-0134 12



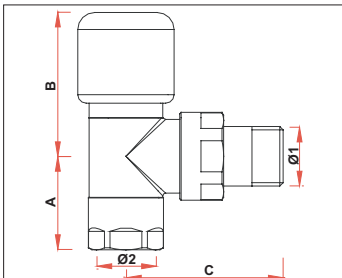
| TURNS                  | 2    | 3    | 4    | TA  |
|------------------------|------|------|------|-----|
| Kv [m <sup>3</sup> /h] | 0,67 | 1,13 | 1,23 | 1,3 |

**Art. 0128-0129-0168-0169 38**


| URNS      | 2    | 3    | 4    | TA   |
|-----------|------|------|------|------|
| Kv [m³/h] | 0,62 | 0,99 | 1,08 | 1,19 |

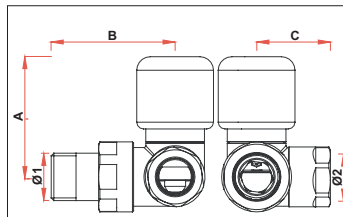
**Art. 0128-0129-0168-0169 12**


| URNS      | 2    | 3    | 4    | TA   |
|-----------|------|------|------|------|
| Kv [m³/h] | 0,89 | 1,62 | 1,82 | 1,99 |

**9. DIMENSIONAL FEATURES**


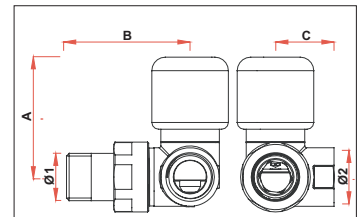
\*= with and without thermostatic head

| CODE         | Ø1   | Ø2    | A  | B*     | C  |
|--------------|------|-------|----|--------|----|
| 0108-0109 38 | G3/8 | 24x19 | 33 | 51-100 | 53 |
| 0108-0109 12 | G1/2 | 24x19 | 33 | 51-100 | 56 |



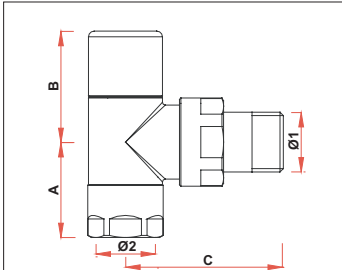
\*= with and without thermostatic head

| CODE         | Ø1   | Ø2    | A*     | B  | C  |
|--------------|------|-------|--------|----|----|
| 0101-0111 38 | G3/8 | 24x19 | 53-102 | 52 | 33 |
| 0101-0111 12 | G1/2 | 24x19 | 53-102 | 55 | 33 |
| 0102-0112 38 | G3/8 | 24x19 | 53-102 | 52 | 33 |
| 0102-0112 12 | G1/2 | 24x19 | 53-102 | 55 | 33 |

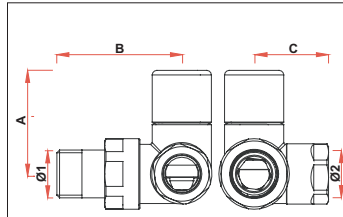


\*= with and without thermostatic head

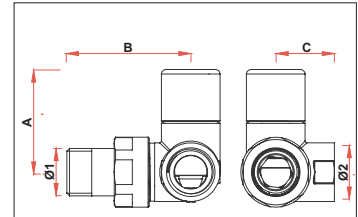
| CODE         | Ø1   | Ø2   | A*     | B  | C  |
|--------------|------|------|--------|----|----|
| 0103-0113 38 | G3/8 | G3/8 | 53-102 | 52 | 26 |
| 0103-0113 12 | G1/2 | G1/2 | 53-102 | 55 | 26 |
| 0104-0114 38 | G3/8 | G3/8 | 53-102 | 52 | 26 |
| 0104-0114 12 | G1/2 | G1/2 | 53-102 | 55 | 26 |



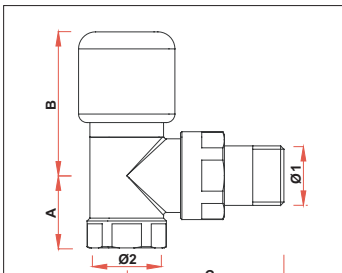
| CODE         | Ø1   | Ø2    | A  | B  | C  |
|--------------|------|-------|----|----|----|
| 0128-0129 38 | G3/8 | 24x19 | 33 | 39 | 53 |
| 0128-0129 12 | G1/2 | 24x19 | 33 | 39 | 56 |



| CODE         | Ø1   | Ø2    | A  | B  | C  |
|--------------|------|-------|----|----|----|
| 0121-0131 38 | G3/8 | 24x19 | 46 | 52 | 33 |
| 0121-0131 12 | G1/2 | 24x19 | 46 | 55 | 33 |
| 0122-0132 38 | G3/8 | 24x19 | 46 | 52 | 33 |
| 0122-0132 12 | G1/2 | 24x19 | 46 | 55 | 33 |

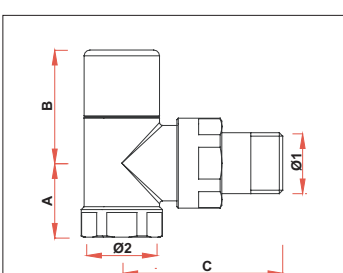


| CODE         | Ø1   | Ø2   | A  | B  | C  |
|--------------|------|------|----|----|----|
| 0123-0133 38 | G3/8 | G3/8 | 46 | 52 | 26 |
| 0123-0133 12 | G1/2 | G1/2 | 46 | 55 | 26 |
| 0124-0134 38 | G3/8 | G3/8 | 46 | 52 | 26 |
| 0124-0134 12 | G1/2 | G1/2 | 46 | 55 | 26 |

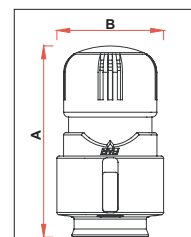


\*= with and without thermostatic head

| CODE         | Ø1   | Ø2   | A  | B*     | C  |
|--------------|------|------|----|--------|----|
| 0148-0149 38 | G3/8 | G3/8 | 26 | 51-100 | 53 |
| 0148-0149 12 | G1/2 | G1/2 | 26 | 51-100 | 56 |



| CODE         | Ø1   | Ø2   | A  | B  | C  |
|--------------|------|------|----|----|----|
| 0168-0169 38 | G3/8 | G3/8 | 26 | 39 | 53 |
| 0168-0169 12 | G1/2 | G1/2 | 26 | 39 | 56 |



| CODE | A  | B  |
|------|----|----|
| 1824 | 86 | 48 |
| 1827 | 86 | 48 |

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Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Уда (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: [fro@nt-rt.ru](mailto:fro@nt-rt.ru) || сайт: <https://far.nt-rt.ru/>