

USER'S MANUAL

Integrated thermostatic valve set

TWINS ALL IN ONE

TWINS ALL IN ONE – INTEGRATED THERMOSTATIC VALVE SET

The set contains:

- Integrated thermostatic valve
- Thermostatic head M30 × 1.5
- Pipe-masking set
- 2 × adapter PEX, ALU-PEX 16×2
- 2 × adapter CU Ø 15

The valve should be installed in accordance with the specified direction of the heating medium supply and return.

A product of the Polish Vario Term brand. Available from stock in the following colours:

- white (RAL 9016)
- soft white (SOFT 9016)
- black (RAL 9005)
- matte black (MAT 9005)
- chrome

On request, the set is available in all single-coating colours from the Terma palette, i.e. in all RAL colours and in most special colours, as well as in colours: Soft 9005, Soft 7047, Mat 7016

The set is not available in the RAL colours in SOFT and MAT finishes and in special colours: Black Crocodile New, White Gold.

The set is not available in the Premium palette colours (liquid paints)

Available connections:



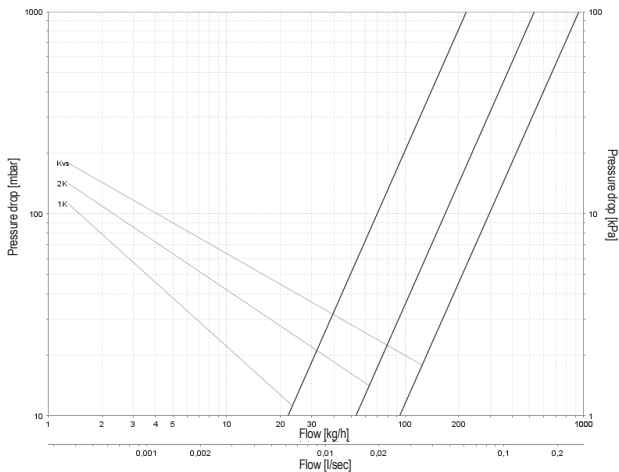
Distributor: Terma Sp. z o.o. | Czaple 100 | 80-298 Gdańsk | termagroup.pl

Manufacturer: Vario Term Sp. z o.o. | ul. Ogórkowa 96 | 04-998 Warsaw

TECHNICAL DATA

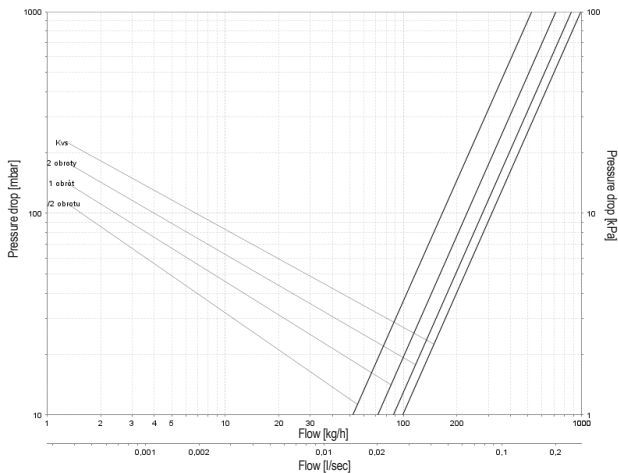
Operating temperature	120°C
Nominal pressure	1MPa
Heating medium	water
Test pressure	1,5 MPa
Initial setting	on lockshield valve insert
Radiator connection	G 3/4

TWINS connection flow diagram (thermostatic insert)



Valve opening degree	1K	2K	Kvs
Kv	0,2	0,5	0,9
Tolerance	± 10%		

TWINS connection flow diagram (lockshield insert)



Kv value for a given number of turns

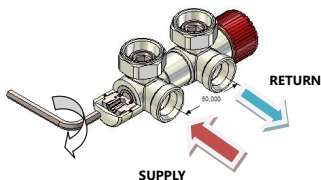
Number of turns in the valve opening direction	1/2	1	2	Kvs
Kv	0,5	0,7	0,85	0,9
Tolerance	± 10%			

CORRECT ASSEMBLY OF THE TWINS CONNECTION TO THE INSTALLATION

Assembly and setting details available at www.varioterm.pl

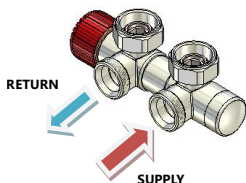
– **LEFT** version

Max. torque 3Nm when tightening



– **RIGHT** version

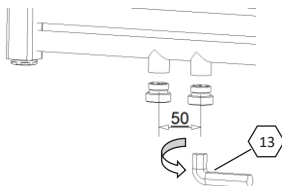
Max. torque 3Nm when tighter



DETAILED ASSEMBLY INSTRUCTIONS

Set catalogue number: TSGS02..CFK/L - left | TSGS02..CFK/P - right

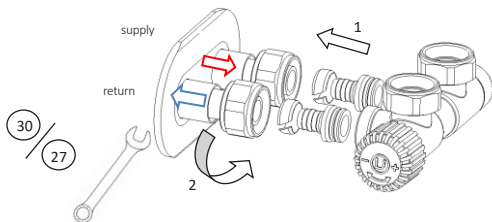
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Warning:

When tightening, make sure not to damage the O-ring responsible for tightness between the radiator and the nipple.

2.a (PEX 16x2)



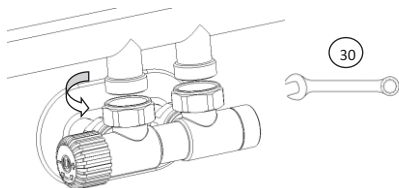
Warning:

Supply on the lockshield insert side!!

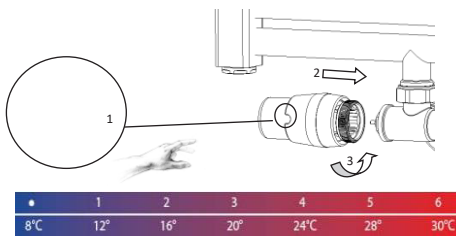
Before assembling the coupling, you can install a rosette and masking sleeves in the same colour as the connection ([additional accessories](#)).

When mounting the 16x2 coupling, make sure not to damage the O-rings providing coupling tightness between the installation and the connection.

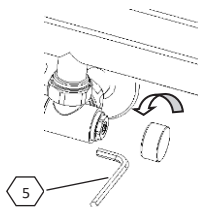
3



4



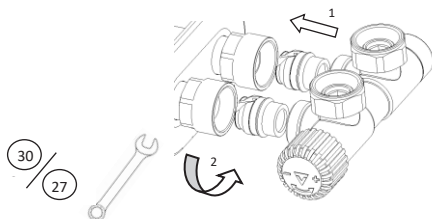
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Warning:

Flow adjustment in accordance with the Product Data Sheet (www.varioterm.pl)

2.b (Cu 15x1)



Warning:

Supply on the lockshield insert side!!

Before assembling the coupling, you can install a rosette and masking sleeves in the same colour as the connection (additional accessories).

Remove any sharp material residue from the outside of the tube that may damage the O-rings inside the coupling when pushing it onto the tube. After tightening the coupling **with a torque of ~8 Nm**, first make sure that the tube cannot be rotated and/or removed by pulling it **STRONGLY**, and then proceed to check for any hydraulic leaks. Maintain a 90° angle between the tube and the radiator.

WARRANTY TERMS

1. The manufacturer provides a warranty for a period of 3 years from the date of purchase.
2. Defects revealed during the warranty period will be removed free of charge within 14 business days from the date of their notification.
3. A defect or damage must be notified by email at **reklamacje@varioterm.pl** or by phone at (022) 8724214.
4. To perform a warranty repair, the defective product must be delivered to the VARIO TERM office with a description of the reason for the complaint and a copy of the proof of purchase with the stamp of the facility where the purchase was made and clearly marked with the date of purchase.
5. The warranty does not cover parts that are subject to natural wear and tear during the period of use, defects caused by
6. assembly and use inconsistent with the instructions, defects with traces of mechanical damage, thermal damage or traces of user manipulation.
7. The purchaser loses all rights under the warranty in the event of:
 - loss or destruction of the proof of purchase,
 - unauthorised repairs, disassembly,
 - use that is improper or inconsistent with the manual.