

teide termo plus+



TECHNICAL SHEET 07/2017 | IP20060

SCOPE

The thermostatic valves and heads from TEIDE TERMO PLUS series can be used in individual or collective heating networks. These valves allow the regulation and control of the water flow in radiators from bi-tube heating networks, keeping the room temperature at the desired value.

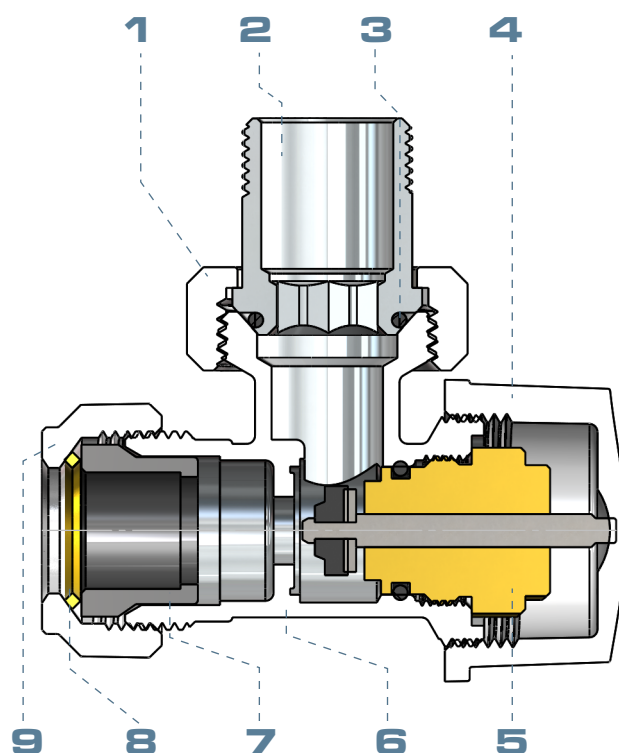
THERMOSTATIC VALVES

SERVICE CONDITIONS

Nominal pressure:	10 bar
Water Temperature range:	Up to 110°C
Room setting range:	6°C at 28°C

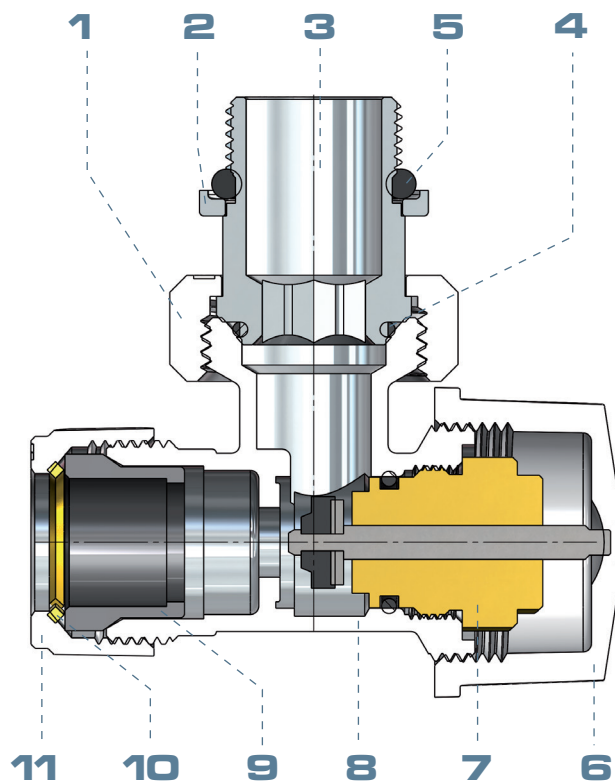
COMPONENTS

Item	Component	Material	Treatment
1	Nut	European brass CW617N	Chrome
2	Coupling	European brass CW614N	Chrome
3	O-ring	NBR	
4	Closure cap	ABS	White color
5	Open - Close	European brass CW614N	
6	Body	European brass CW617N	Chrome
7	Sleeve	NBR	
8	Ring	European brass CW614N	
9	Nut	European brass CW617N	Chrome



COMPONENTS

Item	Component	Material	Treatment
1	Nut	European Brass CW617N	Chrome
2	Washer	European Brass CW614N	Chrome
3	Coupling	European Brass CW614N	Chrome
4	O-ring	NBR	
5	O-ring	EPDM	
6	Handle	ABS	
7	Stem	European Brass CW614N	
8	Body	European Brass CW617N	Chrome
9	Bicone	NBR	
10	Ring	Brass	
11	Nut	European Brass CW617N	Chrome



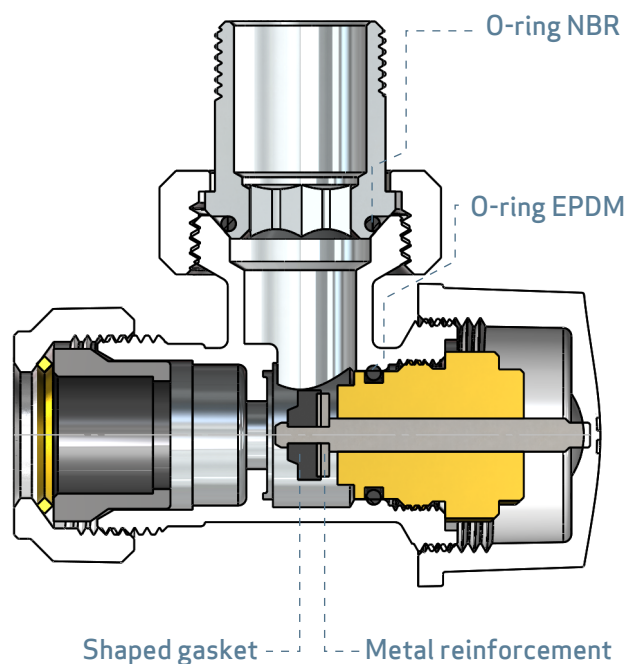
MAIN CONSTRUCTIVE FEATURES

Internal leaktightness

The closure mechanism has been designed with a special shaped rubber assuring a perfect closure. A plus in order to increase the reliability against over pressures in the network, it has been added in the rear part of the shaped rubber a metallic disc in the rear part.

External leaktightness

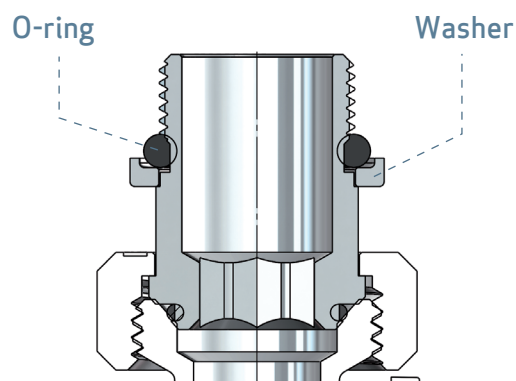
A double EPDM seal placed on the stem ensures the external leak tightness. The system with double seal provides extra security against leaks, aging, wearing, ... In the other hand an extra NBR o-ring has been placed in the coupling junction increasing the reliability of the metallic closure.



MAIN CONSTRUCTIVE FEATURES

Anti Drip O-ring

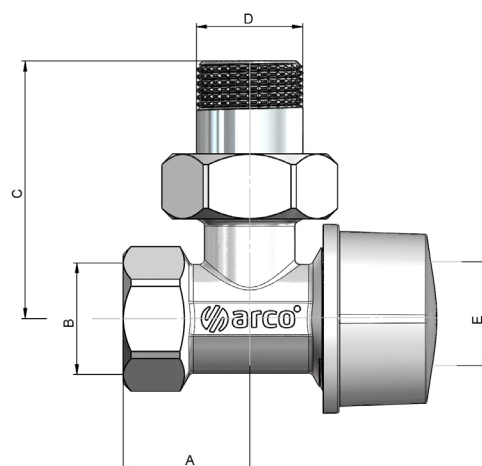
An EPDM O-ring placed in the coupling and positioned by a washer prevents a possible drip between the radiator and the valve coupling.



DIMENSIONS

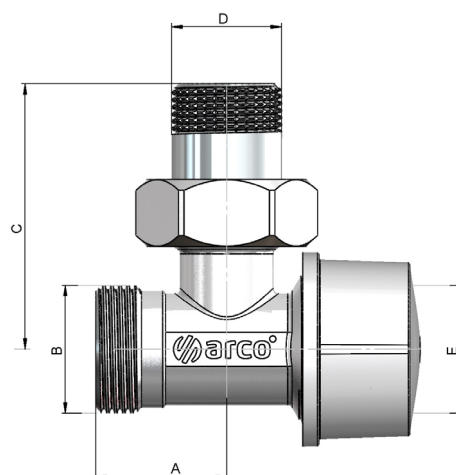
THERMOSTATIC VALVE Screwed angle

Size	A	B	C	D	E
1/2	24.5	1/2	50	1/2	M28
1/2	24.5	1/2	50	1/2	M30
3/8	24.5	3/8	50	3/8	M28



THERMOSTATIC VALVE Compression angle

Size	A	B	C	D	E
1/2	24.5	M24x1.5	50	1/2	M28

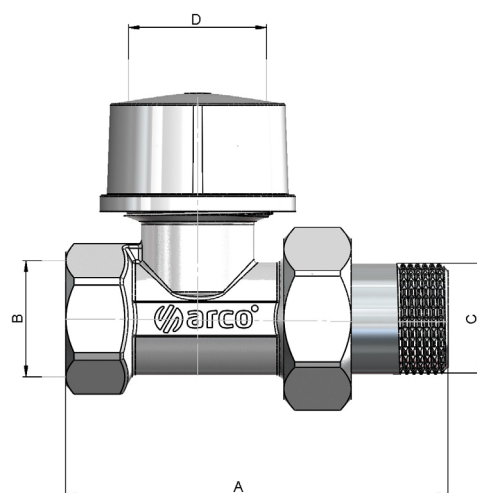




DIMENSIONS

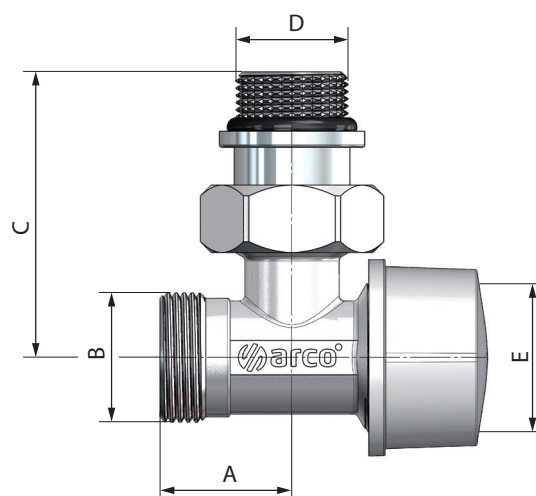
THERMOSTATIC VALVE Screwed Straight

Size	A	B	C	D
1/2	71	1/2	1/2	M28
1/2	71	1/2	1/2	M30



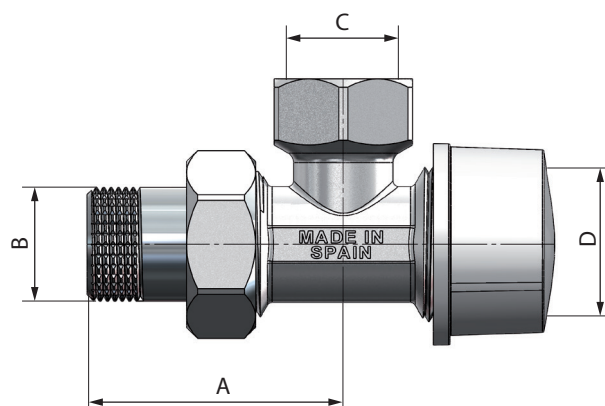
THERMOSTATIC VALVE Angle Compression Anti Drip O-ring

Size	A	B	C	D	E
1/2	24.5	M24x1.5	53	1/2	M28



THERMOSTATIC VALVE Screwed Inverted

Size	A	B	C	D
1/2	47	1/2	1/2	M28
1/2	47	1/2	1/2	M30



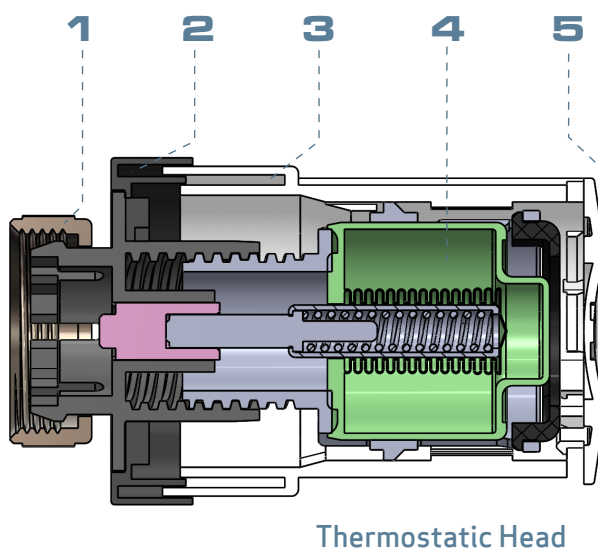
THERMOSTATIC HEAD V3

SERVICE CONDITIONS

Sensor type	Liquid
Maximum working pressure	10 bar
Working temperature range	Hot water up to 120°C
Room temperature setting range	6°C a 28°C
Maximum differential pressure	1,2 bar
Recommended differential pressure	0,6 bar

COMPONENTS

Item	Component	Material	Treatment
1	Nut	European brass CW617N	Nickel
2	Temperature sensor	ABS	Grey color
3	Main body	ABS	White color
4	Liquid sensor		
5	Distinctive	ABS	White color



MAIN CONSTRUCTIVE FEATURES

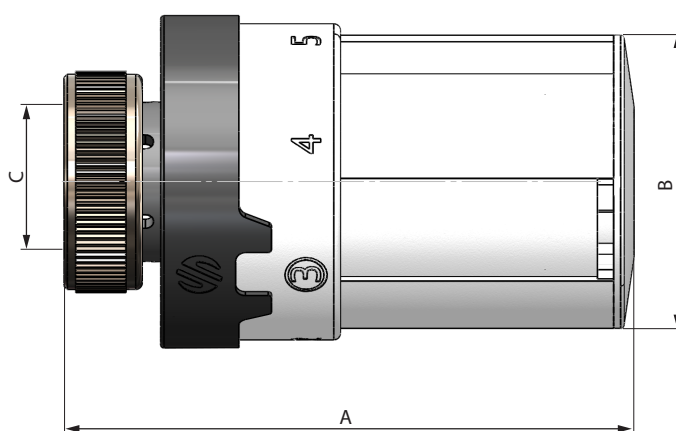
The thermostatic head includes a temperature selector; it allows the temperature setting in the room where it has been installed, according to the following table:

0	*	1	2	3	4	5
Close	6°C	12°C	16°C	20°C	24°C	28°C

Thermostatic head must not be placed behind curtains or other similar obstructions, and should not be exposed to direct sunlight or other heat or cold sources. All these factors can modify the proper working of the thermostatic head, changing the relationship shown in the above table position – temperature, that means that one position will not correspond to a temperature.

DIMENSIONS

Size	A	B	C
M28	81-88	52	M28
M30	81-88	52	M30



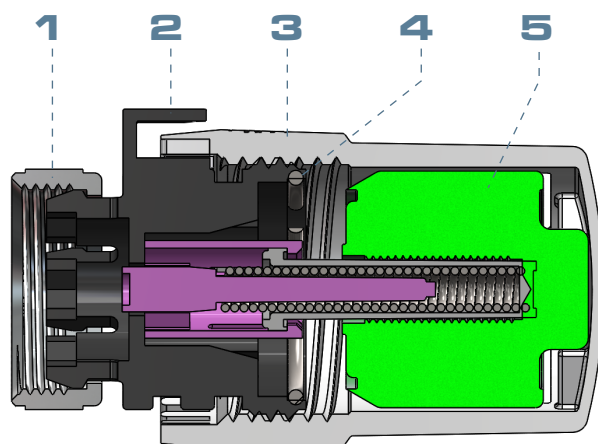
THERMOSTATIC HEAD V4

SERVICE CONDITIONS

Sensor type	Liquid
Maximum working pressure	10 bar
Working temperature range	Hot water up to 120°C
Room temperature setting range	6°C a 28°C
Maximum differential pressure	1,2 bar
Recommended differential pressure	0,6 bar

COMPONENTS

Item	Component	Material	Treatment
1	Nut	European brass CW617N	Nickel
2	Temperature sensor	ABS	Grey color
3	Main body	ABS	White color
4	Retention ring		
5	Liquid sensor	ABS	White color



MAIN CONSTRUCTIVE FEATURES

The thermostatic head includes a temperature selector; it allows the temperature setting in the room where it has been installed, according to the following table:

0	*	1	2	3	4	5
Close	6°C	12°C	16°C	20°C	24°C	28°C

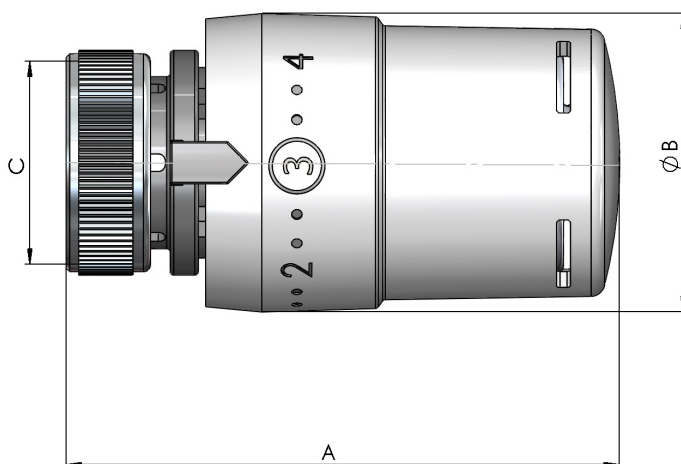
Thermostatic head must not be placed behind curtains or other similar obstructions, and should not be exposed to direct sunlight or other heat or cold sources. All these factors can modify the proper working of the thermostatic head, changing the relationship shown in the above table position – temperature, that means that one position will not correspond to a temperature.



Selector and temperature scale

DIMENSIONS

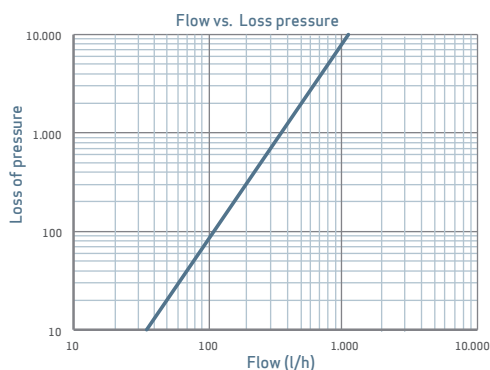
Size	A	B	C
M28	78-83	45	M28
M30	78-83	45	M30



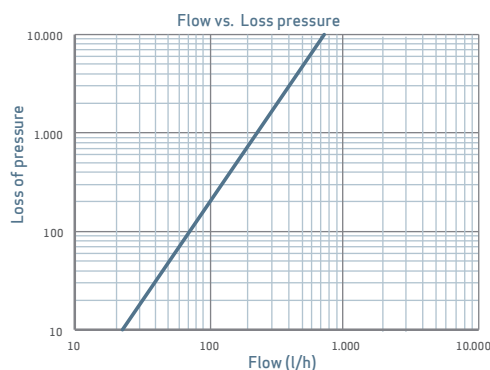


HYDRAULIC FEATURES

THERMOSTATIC VALVE SQUARE



THERMOSTATIC VALVE STRAIGHT



INSTALLATION AND ASSEMBLY

LOCATION OF THE VALVE

Thermostatic radiator valve shall be fitted at the inlet of the radiator. The valve shall be positioned so that the thermostatic head (sensor component) remains in horizontal position and can detect the temperature of the air in the room.

Thermostatic head must not be placed behind curtains or other similar obstructions, and should not be exposed to direct sunlight or other heat sources.

CONTROL ADJUSTMENT SCALE

Thermostatic head is provided with calibration marks, which correspond to following temperatures:

0	*	1	2	3	4	5
Close	6°C	12°C	16°C	20°C	24°C	28°C

INSTALLATION

Before installing the valve ensure that the heating system is shut off and free of dirt in accordance with good plumbing practices. Use the manual closing cap provided with the valve to protect it during installation.

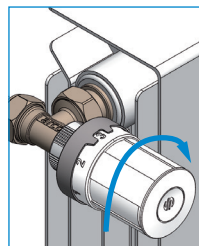
1. Fit the manual closing cap and screw down sufficiently to close the valve. Do not over-tighten.
2. Connect the valve to radiator and tube, fill the system, bleed radiator and check for leaks.
3. Remove the manual closing cap and store it in a safe place for future use.
4. Turn thermostatic head to fully open (position 5) and assemble it on the valve's body, ensuring that the indicator line can be seen. Tighten knurled securing ring by hand. Do not over-tighten or use grips, etc...



INSTALLATION AND ASSEMBLY

SETTING THE TEMPERATURE

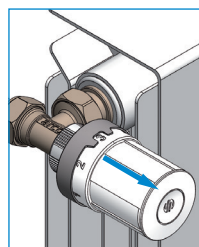
Select the desired room temperature from the table above and turn the knob to align the appropriate number with the arrow on the fixed part of the head. To change the room temperature, readjust the setting.



TEMPERATURE BLOCKING (Just available for V3 model)

In order to avoid the manipulation of the selected temperature, the valve has as blocking ring that allows you to block the head in the desired position.

In order to block the head temperature, select the desired position and pull the ring upwards. After this maneuver the thermostatic head will remain blocked until the ring is repositioned to its initial position.

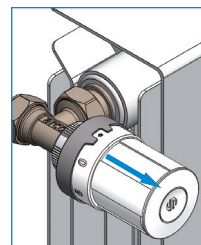
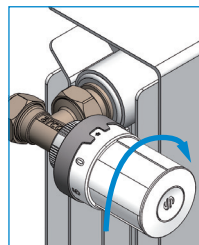


FROST PROTECTION

When heating is not required, and there is a danger of freezing, the valves may be turned to the frost protection setting* which will allow the valves to open if the temperature falls below approx 6°C. The boiler must remain operational, controlled by a frost protection thermostat.

RADIATOR REMOVAL

To remove a radiator it is necessary to use the manual shut-off cap supplied with the valve. Remove the thermostatic head and substitute the manual shut-off cap. Close the valve manually and proceed in the normal way.



SUMMER OPERATION

If the heating system is to be turned off for a lengthy period (eg. during the summer months), it is recommended that all valves are set to the fully open (position '5').

