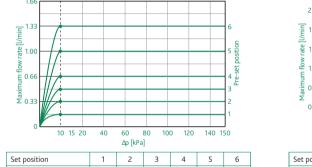
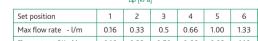
Pre-setting the flow rates - low flow valve

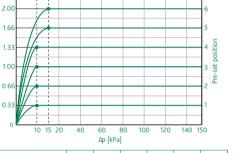
Corresponding to each pre-setting value (1-2-3-4-5-6) there is a hydraulic flow characteristic for the valve without a controller





Pre-setting the flow rates

Corresponding to each pre-setting value (1-2-3-4-5-6) there is a hydraulic flow characteristic for the valve without a controller



7 (** 7						
Set position	1	2	3	4	5	6
Max flow rate - l/m	0.33	0.66	1	1.33	1.66	2*
Flow rate at 2K - l/m	0.33	0.66	0.92	1.17	1.33	1.5

10 kPa < Δp < 150 kPa: *15 kPa < Δp < 150 kPa

Pre-setting the flow rate

Remove the isolation cap of the valve.

perfectly in the centre of the window...

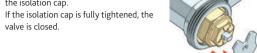
The valve is supplied with the factory setting in position 6.

To pre-set the flow rate, position the shaped locking nut (supplied in

the pack) and turn the control stem to select the desired position.

The selected pre-setting number (for example 3) must appear

Remove the adjustment nut and install The reference of the setting position is defined by the orientation o the isolation cap. the flat side surface (1) of the control stem.



Fitting the thermostatic controller

onto the thread of the body, do not over tighten.



Do not install

Do not install with the controller vertical, were the air flow is restricted or direct sunlight which may give a false reading.



Pre-setting the flow rate

Before fitting the thermostatic controller turn the knob to po The control head must be installed in horizontal position.

Remove the isolation cap and screw the knurled ring of the controller

Potential problems

There are two possible problems which may arise if the valve fitted with the thermostatic controller is fitted incorrectly.

Flow in opposite direction

The presence of vibrations, similar to hammering, are due to the fact that the fluid is passing through the valve in the opposite direction t that indicated by the arrow on the body.

To overcome this problem it is sufficient to re-install the valve with the correct flow direction.

Excessive differential pressure

The presence of a sound or hissing during the modulation phase is due to the valve being subjected to an excessive differential pressure To overcome this problem it is sufficient to keep the pressure of the system under control, installing devices such as variable-speed pumps combined with differential pressure regulators, or by using differential by-pass valves.

Lockshield valve

The lockshield valve must be installed on the return from the radiator and usually in the bottom connection.

The valve when used with DYNAMICAL® thermostatic radiator is used fully open or closed to isolate the radiator.

o operate the valve pull the cover from the body and using a suitably sized Allen key rotate the disk clockwise to close and isolate

or anticlockwise to open the valve.

When completed click the cover back into position on the body

Cleaning the Valve

The thermostatic valve body, thermostatic controller and lockshield

body and cover should be cleaned using a mild soap solution.

Do not use abrasive pads, bleach or solvents etc. as they will cause damage to the surfaces.

Please ensure these instructions and the isolation cap is left with the valve for the user.

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Installation & Operating Instructions







DYNAMICAL® TRV Installation Instructions

The following instructions must be read and understood before

installing and maintaining the DYNAMICAL® thermostatic radiator

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN A

The DYNAMICAL® valve allows the automatic dynamic balancing of the flow of thermal medium into the radiator of two-pipe heating

The device, in conjunction with a thermostatic or electronic control,

The lockshield valve on the flow return from the radiator provides

combines dynamic balancing and flow rate control in a single

isolation and additional regulation if required.

WARNING

and lockshield valves.

SAFETY HAZARD!

Product codes - threaded

105-1513 1/2" angled twin pack consisting of TRV body,

105-1515 1/2" angled twin pack consisting of TRV body.

105-1532 1/2" low flow angled twin pack consisting of TRV body,

thermostatic controller and lockshield valve

thermostatic controller and lockshield valve

thermostatic controller with chrome finish and

lockshield valve with chrome finish cover

Description

Product codes - threaded Description

1/2" low flow straight twin pack consisting of TRV body,

thermostatic controller and lockshield valve

thermostatic controller and lockshield valve

thermostatic controller with chrome finish and

lockshield valve with chrome finish cover

105-1514 1/2" straight twin pack consisting of TRV body,

105-1516 1/2" straight twin pack consisting of TRV body.

Code

Product code - compression

105-1522 15mm angled twin pack consisting of TRV body,

R250(half hard) copper tube

thermostatic controller and lockshield valve

Supplied with olives and compression nuts for use with

Description

Code

Product code - compression

105-1523 15mm straight twin pack consisting of TRV body,

R250(half hard) copper tube

thermostatic controller and lockshield valve

Supplied with olives and compression nuts for use with

Code Description

Technical Specification

brass EN 12165 CW617N

brass EN 12165 CW617N

water, glycol solutions

10-150 kPa (pos. 1-6)

10-150 kPa (pos. 1-4)

15-150 kPa (pos. 5-6)

differential pressure

5 – 95°C

ABS polymer - Pantone 356C

stainless steel

EPDM

Materials

Control stem:

Hydraulic seals:

Performance

Max. percentage of glycol:

Max Δp with control fitted:

Maximum working pressure:

Operating range Δp:

Medium:

Control knob:

Body:

Technical Specification

Adjustment temperature range:

Further technical details are available from Altecnic.

Frost protection cut-in:

Max. ambient temperature:

7 to 28°C

Thoroughly flush the system to remove debris from the system which may prevent the valves from operating and isolating correctly. Assembly and dis-assembly of the valve should always be carried out while the system is cold and not under pressure. Install according to the flow direction indicated by the arrow on each

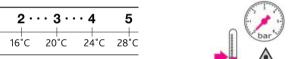
Adjustment scale:

*	1	2 ·	5				
			$-\check{-}$	i_	-		
7°C	12°C	16°C	20 ['] °C	24°C	28 ⁶ C		

200001 Thermostatic Controller

valve body.

Adjustment Range



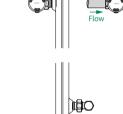
In the case of long periods of absence specially during winter, set the thermostatic control head to the frost protection position * corresponding to a room temperature of not less than 7°C. During summer however it is advisable to set the thermostatic head to the No 5 setting, which means the valve is fully open.





The thermostatic radiator valve must be installed on the flow to the

radiator preferably at the top of the radiator with the thermostatic controller horizontal with the lockshield valve installed on the return from the radiator at the bottom of the radiator.



Installation positions

