Terrier Decor TRV BS EN215:2019
Technical Information

Terrier Decor TRV Overview

A range of three thermostatic radiator valve thermal heads, each with a different colour scheme, designed to work with current Terrier TRV valves of all types.

Range

1/2" x 15mm Angle TRV Valve

1/2" x 15mm Straight TRV Valve

Terrier Decor White Thermal Head

Terrier Decor Anthracite Thermal Head

Terrier Decor Chrome Thermal Head

Nominated Flow Rates

1/2" x 15mm Angle TRV Valve Forward and Reverse Flow	190 Kg/h
1/2" x 15mm Straight TRV Valve Forward and Reverse Flow	190 Kg/h

Hysteresis

All product combinations	0.62 K

Differential Pressure Influence

All product combinations	0.08 K

Water Temperature Influence

White and Anthracite Thermal Heads	0.9 K
Chrome Thermal Heads	1.2 K

Response Time

All product combinations	20 mins

Seat Authority

All product combinations	0.72

Control Accuracy	
White and Anthracite Thermal Heads	0.6 K
Chrome Thermal Heads	1.0 K
Maximum Static Pressure	
All product combinations	10 bar
Maximum Differential Pressure	
All product combinations	0.6 bar

4. Frost Protection

If you plan to be away from home for any length of time the TRV can be turned to the frost protection setting "✱". If the temperature falls below 7°C the valve will automatically open giving protection against freezing.
(Provided that the boiler remains in operation via a frost stat.)

5. Removal of Radiator

The "OFF" Setting on the TRV is a positive "OFF" position. This will enable a radiator to be removed for maintenance purposes.

To avoid accidental operating of the valve or damage whilst decorating the manual shut off cap may be used for added security instead of the TRV head. In this case, remove the TRV sensor head by unscrewing the securing ring and replacing with the manual cap BEFORE removing the radiator.

Terrier Decor

TWO WAY THERMOSTATIC RADIATOR VALVE

TECHNICAL DATA

Temperature range	7°C - 28°C
Maximum Test Pressure	20bar
Maximum Static Pressure	10bar at 120°C
Maximum Differential Pressure	0.6bar
Maximum Water Flow Temperature	120°C

Pegler Yorkshire

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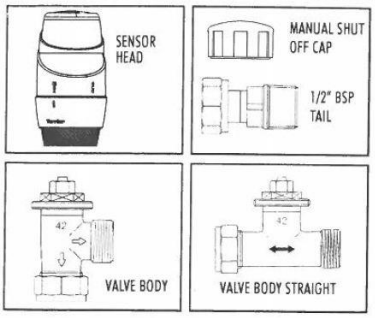
Terrier Decor

TWO WAY THERMOSTATIC RADIATOR VALVE

Installation and User Guide



INSTALLATION

Directions for use:

Angle TRV

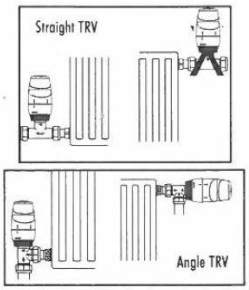
The Terrier Decor TRV is designed to operate with water flow in either direction. The 15mm size may be fitted in either the horizontal OR vertical position. The most effective position is to have the head in a horizontal position where the greatest efficiency will be obtained.

Straight TRV

Straight bodied valves should not be used in the top connection of a radiator as heat from the radiator will affect the sensor.

Correct installations

Correct installation and maximum performance will be achieved if:
The thermostatic head is not concealed behind furniture, curtains or drapes, hidden under shelves, panelling or in a recess where air pockets can occur.
The thermostatic head is not exposed to direct sunlight or draughts.



Fitting

1. Thoroughly clean any pipe work to be connected to the valve.
2. Drain down existing system, connecting a hosepipe to the lowest drain off point available.
3. Screw 1/2" BSP tail into radiator tapping, using suitable jointing material e.g. PTFE tape.
4. Connect valve body to tail and tighten nut.
5. Cut and fit copper tube to valve body - tightening nut and cone.
6. Remove manual shut off cap and store safely.
7. Turn Sensor head to indicate "MAX" in setting window.
8. Position sensor head so that setting window can be viewed and hand tighten securing ring to valve body.
9. Set sensor head to required temperature setting.
10. When fitting a lock shield valve, this must be set to control the water flow through the radiator to the correct level.

PLEASE NOTE:

To avoid the problem of hydronic (water flow) noise it is recommended that the differential pressure does not exceed 0.2 bar. It is strongly recommended that a differential pressure valve should be fitted to any system with TRV's (Pegler order code for differential pressure valve 678021/22mm) will be suitable for most domestic installations.

Larger sizes are available if required.

USER INSTRUCTIONS

1. Operating Description

The influence of uncontrolled heat gains from cooking, lighting and sunshine etc., can lead to wasteful overheating. The terrier TRV is designed to react to temperature fluctuations and allow you to control individual room temperature.

The sensor head contains a powerful wax-filled sensor which senses temperature changes. These variations cause expansion and contraction of the thermal element which is transmitted to a valve seat which regulates the water flow to the radiator.

2. Setting the TRV

Initially set the TRV to the required room temperature from the table below e.g. Position ECO/ 20°C. The TRV should be left for at least 1 hour to allow the temperature to stabilise. If a higher or lower room temperature is required simply adjust the setting accordingly and repeat the process.

3. Temperature Settings

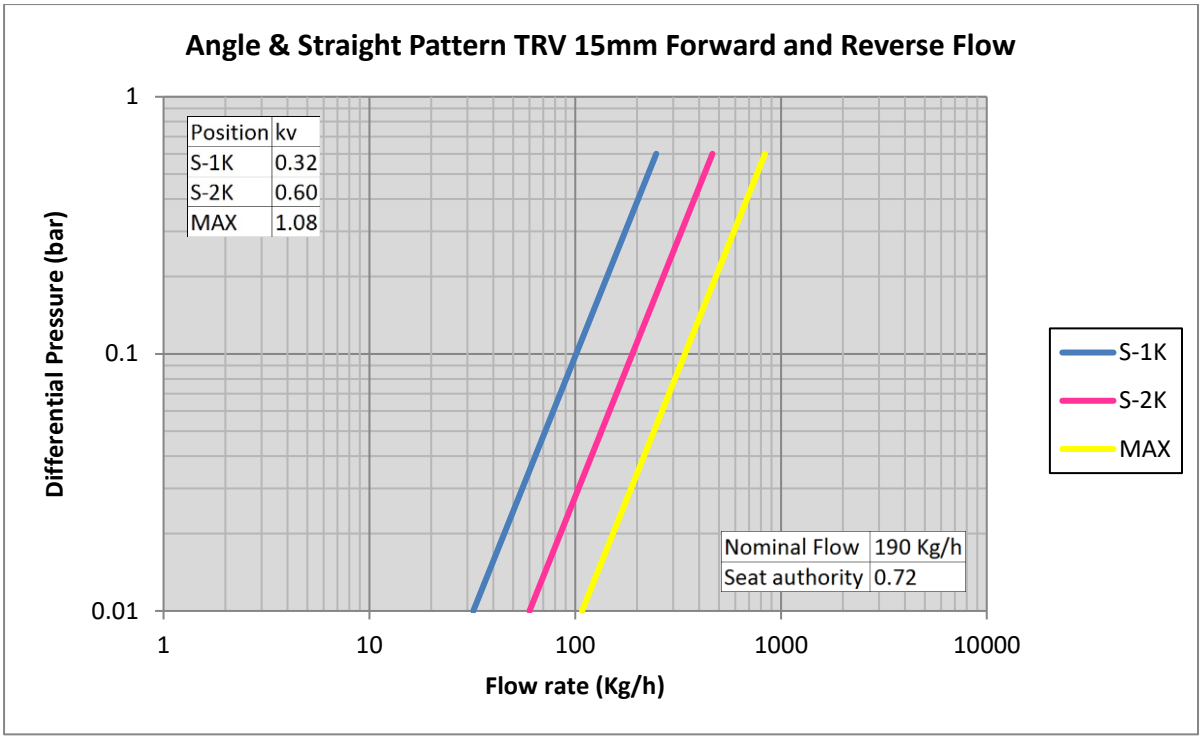
The TRV settings are factory calibrated as indicated in the table below.

OFF	✱	ECO		MAX
Shut Off	7°C	11°C-17°C	19°C-21°C	23°C-25°C	27°C-29°C

Positioning in between '✱ and ECO' will provide a temperature range between 11-17°C.

Positioning between 'ECO and MAX' will provide a temperature range between 23-25°C.

Note: These temperatures may vary slightly, depending upon the nature of the installation.


Angle & Straight Pattern TRV 15mm Forward and Reverse Flow
Differential Pressure (bar)
1
0.1
0.01
1
10
100
1000
10000
Flow rate (Kg/h)
Position kv
S-1K 0.32
S-2K 0.60
MAX 1.08
Nominal Flow 190 Kg/h
Seat authority 0.72
S-1K
S-2K
MAX