Drayton

TRV4 Thermostatic Radiator Valve

Britain's best selling range of thermostatic radiator valves set the standards for design, performance and quality. Including TRV4 Lockshield and Pushfit Packs to suit most domestic and commercial heating systems.



Application

Suitable for domestic heating, providing individual room temperature control with either compression connections 8mm, 10mm, 15mm, or pushfit connection providing a means of connection to plastic and copper pipe. Suitable for plastic pipes 15mm within +/- 0.1mm of nominal size (BS7291 Class S) and copper pipe to BS EN 1057.

The pushfit connection is suitable for use on central heating systems and can withstand temperatures up to 110°C intermittently for short periods.

Meeting standards

The TRV4 range of thermostatic radiator valves conform to EN 215 standards which are recognised throughout Europe.

	Pre-setting Nr.	Kv (1K)	Kv (2K)	Kvs (max)	a (2k)
EB 8, 10, 15mm	1	0.10	0.10	0.10	-
	2	0.14	0.14	0.14	-
	3	0.19	0.22	0.22	-
	4	0.25	0.35	0.38	0.16
	5	0.28	0.47	0.66	0.48
	6	0.32	0.57	1.01	0.68

The TRV4 range – Range/ Kv Values – Valve Bodies

Kv is flowrate in m^3/h at a differential pressure of 1 bar

$$Kv = \frac{Q}{\sqrt{\Delta p}}$$

Q = Flowrate m^3/h

Δp = Differential pressure bar

NB: 8mm and 10mm valves comprise of a standard 15mm body with reducers.

Connections

Compression fittings meet EN 1254-2. 1/2" BSP threaded radiator connections new standard.

Heads

- Integral heads are available as a separate item. Conversion head available to fit TRV3 bodies

- Remote sensing heads with either a 2m or a 6m stainless steel capillary supplied with a white plastic wall mounting enclosure for its sensing bulb

LST radiators

For details of the Drayton EB Body range with includes 3/8", 1/2", 3/4", 1", variants and side angle bodies for LST radiators, please refer to our data sheet D40 available on request. Our price list contains reference to all models.

TRV4 Thermostatic Radiator Valve



TRV4-All Chrome, ideal for towel rails and designer radiators

Technical data

Heads		
Maximum Sensor Temperature	50°C	
Setting numbers	Integral sensor 1 to 5 then MAX	Remote sensor 1 to 7 then MAX
* Frost protection	Integral and Remote sensor below 8°C	
Temperature setting range	Integral and Remote sensor 1 to max = approx 10°C to 30°C	
Sensitivity	0.22mm/°C	
Maximum closing force	70N	
Hysteresis	Integral sensor 0.4 K	Remote sensor 0.6 K
Water temperature influence	Integral sensor 0.8 K	Remote sensor 0.4 K
Differential pressure influence	Integral sensor 0.15 K	Remote sensor 0.10 K
Response time	Integral sensor 20 minutes	Remote sensor 20 minutes

Valves		
Maximum test pressure	20 bar	
Maximum flow temperature	Valve bodies: 110°C	Pushfit connection: 92°C
Maximum Static Pressure		
Valve bodies with compression fittings:	10 bar at 65°C, 6 bar at 110°C	
Pushfit connection:	3 bar at 92°C	
Maximum differential pressure	1 bar	
To ensure valve closure		
Maximum recommended differential pressure	0.2 bar	
To ensure low noise operation		
Note: Technical data refers to Drayton head and valve body combinations		

Flow noise through valves

It is strongly recommended that the differential pressure across the thermostatic valves should not exceed 0.2 bar to avoid flow related noise.

A differential pressure regulating device, e.g. the Drayton Automatic by-pass valve should be used. Please refer to our data sheet D30.

System cleansing

To avoid damage to the valves and heating system components, and the formation of scale deposit in the hot water heating system, the system should be flushed and a proprietary inhibitor added. Please refer to our data sheet D34.

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Application

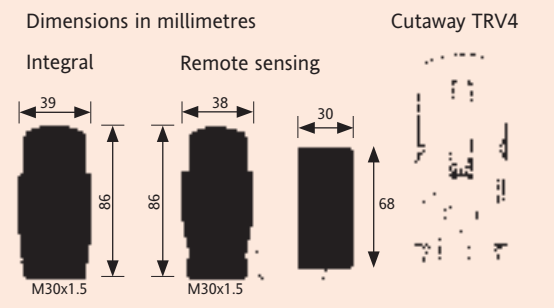
Suitable for domestic radiators and towel rails, providing an elegant chrome finish with either compression connections 15mm, 10mm, 8mm, or pushfit connection providing a means of connection to plastic and copper pipe.

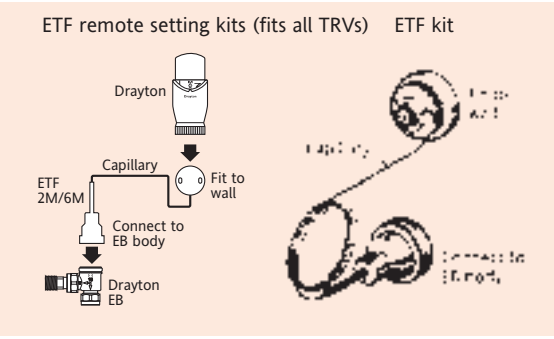
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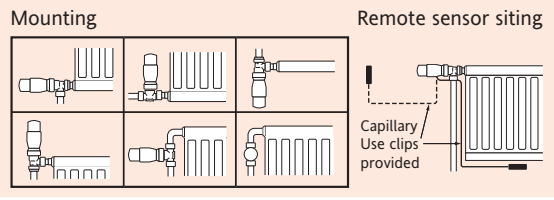
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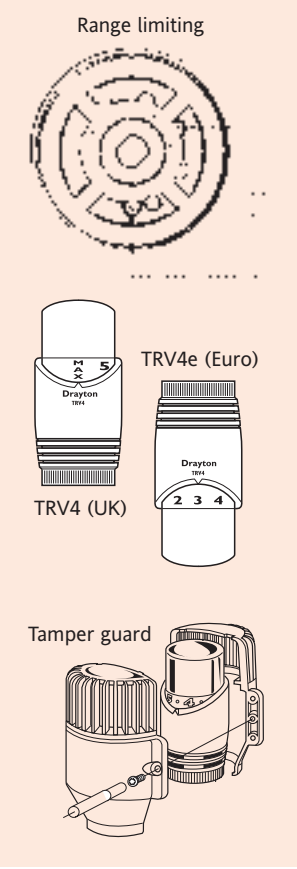
Features:

- Hygienic wipe clean surfaces, no dust traps
- Gold finish versions
- All chrome versions available









TRV4

Product	Part No.
8mm Angle or straight TRV4	07 05 168/169
10mm Angle or straight TRV4	07 05 152/155
15mm Angle or straight TRV4	07 05 150/151
1/2" angle or straight TRV4	07 05 153/156
3/4" angle or straight TRV4	07 05 154/157
All Chrome TRV4 15mm angle boxed	07 05 150C
All Chrome TRV4 15mm straight boxed	07 05 151C
TRV4 Integral (ALL CHROME) Head	07 03 013

Product	Part No.
TRV4 15mm Angle+L/S (ALL CHROME)	07 05 170
TRV4 15mm Straight +L/S (ALL CHROME)	07 05 171
TRV4 integral (standard) Head	07 25 006
TRV4 15mm Angle2M remote	07 05 158
TRV4 2M remote Head only	07 25 007
TRV 6M remote Head only	07 25 008
TRV4 15mm Angle+L/S	07 05 180