

# TRV4

## *Thermostatic Radiator Valve*



*Britain's best selling range of thermostatic radiator valves sets the standard for design, performance and quality with models to suit most Domestic and Commercial applications.*



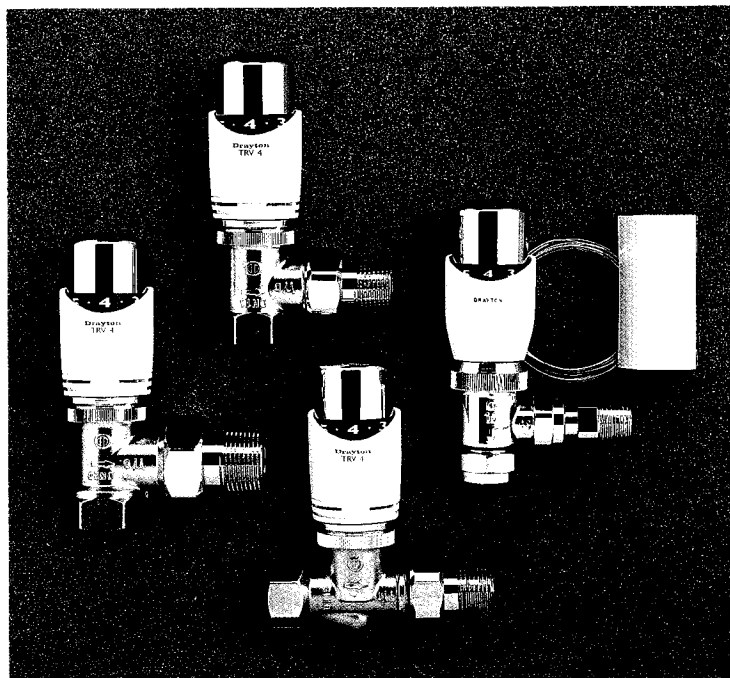
## *Setting The Standard For Design*

Since TRV1 was launched in 1964, we have led the field in design. With its distinctive chrome head, chrome plated body and white bezel, Drayton has been the product of choice by specifiers, architects, installers and end users alike for millions of radiators in domestic and commercial buildings throughout the country.

Today's Drayton TRV4 carries on this tradition and pedigree with a smart new compact design and many advanced features that will complement any environment. That's why in research over 62% of consumers said they preferred it. TRV4 incorporates many practical design features too, including click-stop half increment settings which are particularly useful to the partially sighted, a highly visible graduated scale tape and of course, a head and body that is easy to clean without slots that can collect dust and grime.

## *Setting the standard for performance*

TRV4 has been designed to provide years of trouble free service. Valve internals are made from a specially



*Wide range of bodies, heads and remote sensing versions*

formulated material which prevents a build up of limescale which normally causes TRV's to stick.

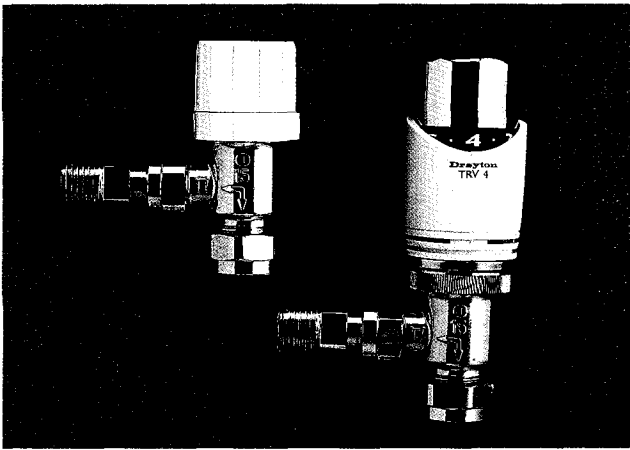
All Drayton 2 pipe bodies now come with pre-setting internals as standard, making system balancing far simpler and more accurate.

15mm angle TRV4 bodies now feature REVERSE FLOW capability enabling installation on the flow or return, with the head either vertical or horizontal.

It also has a double gland seal to protect against water leakage with a top seal that allows removal without draining down the system.

With its easy-to-set range limiting function and a positive head to body fixing that is now infinitely adjustable, the TRV4 is easy to fit and simple to use. Its proven liquid filled chrome head provides optimum sensitivity for fast reaction to temperature changes and the unique conduction space airway ensures minimum heat conduction from the body.





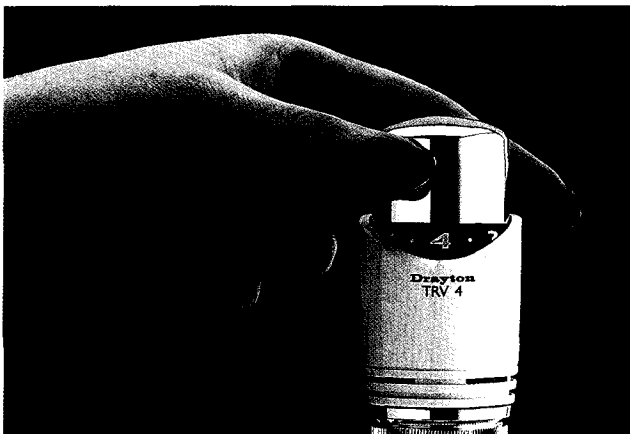
*Rad sets available in chrome, cobolt gold or incalux gold*

### ***Setting the standard for quality***

Overall, the TRV4 is rigorously tested and manufactured in our own factory in the UK to conform to the CEN EN215 standard which is the recognised standard for TRVs throughout Europe. A complete range of body types and sizes, including single pipe versions and gold plated versions for that extra touch of luxury, are available through the most extensive network of builders merchants, plumbing outlets and DIY stores.

### ***Key features at a glance***

- Ultra sensitive liquid filled chrome head
- Reverse flow feature on 15mm angle version



- Non sticking valve internals
- Pre-setting as standard on all valve bodies
- Double gland seal
- Easy to set range limiting
- Frost protection setting
- Half/full click stop setting
- Optional tamper proof cover
- Internals replaceable (without draining down)
- Standard M30 x 1.5 head connection
- Remote sensing heads available (2m or 6m)
- Range of adapters available for plastic (PEX) and multi layer pipe



- Radiators can be balanced from the TRV
- Suitable for LST radiators
- Plated body in 14 sizes for single or twin pipe applications
- Vertical or Horizontal Mounting
- White manual caps available, converts TRV bodies to a wheel head/isolating valve, which can replace conventional lockshields
- TRV3 conversion head available

## SPECIFICATION

### Meeting standards

The TRV4 range of thermostatic radiator valves meet with the stringent new European standard EN215 and are manufactured in factories assessed and certified to BS EN ISO 9001.

### The TRV4 range – Range/Kv Values – Valve Bodies

	Pre-setting Nr.	Kv (1K)	Kv (2K)	Kvs (max)	Max. Δp	α (2K)
EB 8, 10, 15mm	1	0.10	0.10	0.10	0.6 bar	-
	2	0.14	0.14	0.14	0.6 bar	-
	3	0.19	0.22	0.22	0.6 bar	-
	4	0.25	0.35	0.38	0.6 bar	0.16
	5	0.28	0.47	0.66	0.6 bar	0.48
	6	0.32	0.57	1.01	0.6 bar	0.68

Kv is flowrate in M<sup>3</sup>/h at a differential pressure of 1 bar

$$Kv = \frac{Q}{\sqrt{\Delta p}} \quad Q = \text{Flowrate M}^3/\text{h} \quad \Delta p = \text{Differential pressure bar}$$

**NB: 8MM and 10mm valves comprise a standard 15mm body with reducers**

### Connections

Compression fittings to BS 864 Part 2 1983

1/2" BSP threaded radiator connections to DIN standards

### Materials

Sensing head: Chrome plated brass and plastic bezel

Valve Body: Chrome plated brass

### 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

**Maximum Head Temperature** 50°C

**Maximum Test Pressure** 20 bar

**Frost Protection** Below 8°C ✖

**Temperature setting range** Integral sensor 10°C to 27°C  
Remote sensor 10°C to 30°C ✖

**Hysteresis** Less than 1K

**Sensitivity** 0.2mm/°C

**Maximum Flow Temperature** 110°C

### Maximum Static Pressure

Bodies with compression fittings: 10 bar at 65°C, 6 bar at 110°C

### LST Radiators

Do not exceed 1/2" iron

TRV head (integral, 2 metre or 6 metre remote) fits all body type and sizes

## ADAPTERS AND ACCESSORIES

### Description

14 × 2mm PEX/multi layer pipe adapter (5 Pack)

16 × 2mm PEX/multi layer pipe adapter (5 Pack)

15 × 8mm Copper adapter (5 Pack)

15 × 10mm Copper adapter (5 Pack)

1/2" × 15mm Copper adapter (5 Pack)

ETF 2M remote setting kit

ETF 6M remote setting kit

Tamper Guard (6 Pack)

White manual wheel head/isolating cap

### Part No

07 35 014

07 35 016

07 35 108

07 35 110

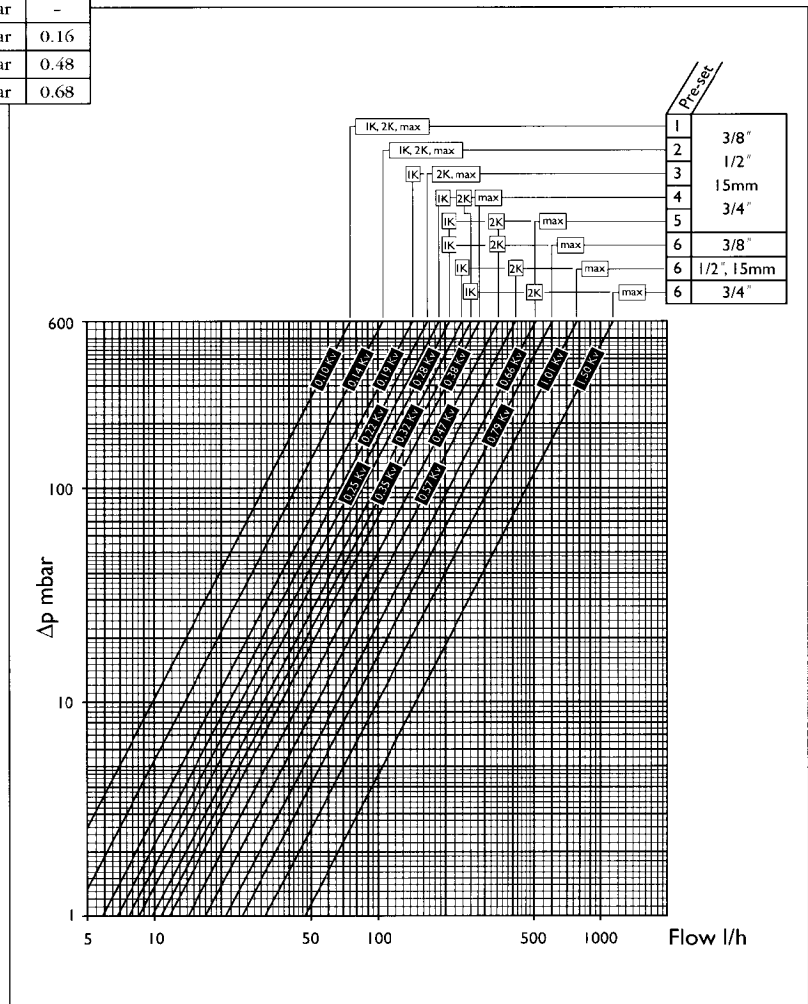
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07 55 002

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