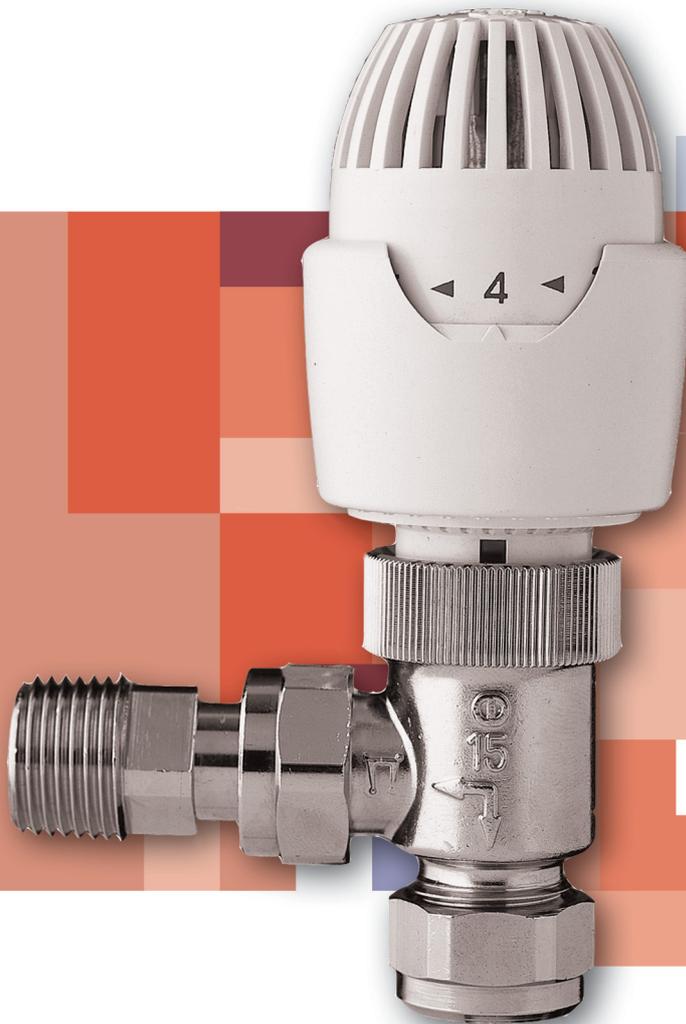


## RT212 Thermostatic Radiator Valve



Drayton thermostatic radiator valves provide low cost control of individual room temperatures. Available in 8mm, 10mm and 15mm sizes, the reverse flow body allows vertical or horizontal flow or return mounting.



## RT212 Thermostatic Radiator Valve

RT212 is manufactured in our UK factory and rigorously tested to conform to the BS EN 215-1 standard which is recognised throughout Europe.

### Features

- Low cost
- Compact design
- 12°C to 29°C setting range
- Non-stick valve internals
- Range limiting
- 8°C frost protection setting
- Positive off position
- Double gland seal
- Reverse flow body (15mm angle)
- Pre-setting as standard
- M30 x 1.5 head connection
- Radiators can be balanced from the TRV
- White wheelhead caps available (part no. 07 35 123) – converts valve body into balancing/isolating valve to replace lockshield
- Range of adaptors available for plastic (PEX) and multi-layer pipe

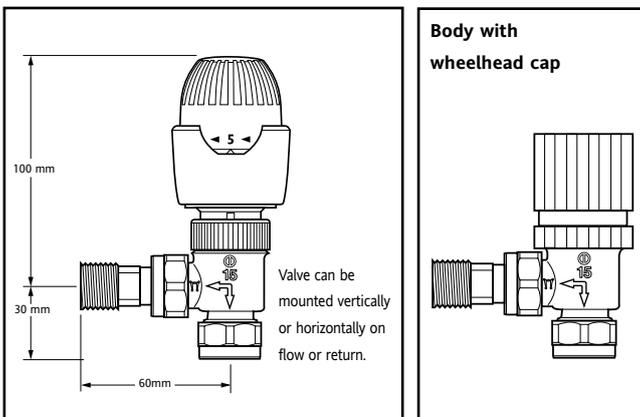
### Flow noise through valves

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 DTB Automatic by-pass valve should be used. Please refer to our datasheet 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 datasheet D34.

### Dimensions



**invenys**

Controls

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 Website: [www.draytoncontrols.co.uk](http://www.draytoncontrols.co.uk)

Available from:



D27-11

## Technical Data

### RT212 Head

Maximum Sensor Temperature	50°C
Setting Numbers	1 to 6
* Frost protection	Below approx. 8°C
Temperature setting range	Approx. 12°C to 29°C
Sensitivity	0.22mm/°C
Hysteresis	0.7K
Water temperature influence	0.9K
Differential pressure influence	0.15K
Response time	20 minutes

### 15mm Valve

Maximum test pressure	20 bar
Maximum flow temperature	110°C
Maximum static pressure	Valve bodies with compression fittings: 10 bar at 65°C, 6 bar at 110°C
Maximum differential pressure	1 bar (To ensure valve closure)
Maximum recommended differential pressure	0.2 bar (To ensure low noise operation)
Connections	Compression fittings meet BS EN 1254-2:1998
Materials	Sensing head: ABS Valve body: Nickel plated brass

## The RT212 range – Range/ Kv Values – Valve Bodies

	Pre-setting Nr.	Kv (1K)	Kv (2K)	Kvs (max)	α (2K)
EB 8,	1	0.10	0.10	0.10	-
	2	0.14	0.14	0.14	-
10,	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

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

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

$$Q = \text{Flowrate m}^3/\text{h}$$

$$\Delta p = \text{Differential pressure bar}$$

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