Setting the standards

Since TRVI was launched in 1964, Drayton has lead the field in TRV design and manufacturing. As a result Drayton has been the TRV brand of choice for installers, specifiers and architects. Today's TRV4 continues to lead the market with its iconic compact design and energy efficient features.

STYLE

The iconic TRV4 was first launched in 1993 and the range has since been developed to include three stylish options: the original Classic, the contemporary Chrome, and now the new White. The stylish range of heads are available with a comprehensive selection of valve body types and sizes, and a complete range of accessories including lockshield and pushfit solutions make the TRV4 ideal for all domestic and commercial applications.

PERFORMANCE

TRV4 has been designed to provide years of trouble-free service:

- Valve internals are specially formulated to ensure they never stick
- Preset internals make system balancing far simpler
- REVERSE FLOW capability enables installation on the flow or return with the head either vertical or horizontal
- 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 infinitely adjustable, the TRV4 is easy to fit and simple to use. Its liquid filled chrome head provide optimum sensitivity meaning maximum energy efficiency.

GETTING TECHNICAL

HEADS

- Integral heads are available as a separate item. Conversion head available to fit TRV3 valves.
- Remote sensing heads with either a 2m or 6m stainless steel capillary supplied with a white plastic wall mounting enclosure for its sensing bulb.

Maximum Sensor Temperature	50°C
Setting numbers	I to 5 then "MAX"
*** Frost protection**	Below 8°C
Temperature setting range	Integral sensor I0°C to 30°C Remote sensor I0°C to 30°C
Sensitivity	0.2mm/°C
Hysteresis	0.4 K
Response time	20 minutes

VALVES

- Non-stick internals
- Presetting function to balance heating system from TRV

Maximum test pressure	20 bar
Maximum flow temperature	II0°C
Maximum static pressure	Valves with BSP threads: I0 bar Valve bodies with compression fittings: I0 bar at 65°C, 6 bar at II0°C
Maximum differential pressure	I bar (To ensure valve closure)
Maximum recommended differential pressure	0.2 bar (To ensure low noise operation)

The TRV4 range – Range/Kv Values – Valve Bodies

	Pre-setting Nr.	Kv (IK)	Kv (2K)	Kvs (max)	a (2K)
EB 8, I0, I5mm	I	0.I0	0.I0	0.I0	-
	2	0.I4	0.I4	0.I4	-
	3	0.I9	0.22	0.22	-
	4	0.25	0.35	0.38	0.I6
	5	0.28	0.47	0.66	0.48
	6	0.32	0.57	I.0I	0.68

Kv is flowrate in m3/h at a differential pressure of I bar

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

Q = Flowrate m3 / h

Δp = √Differential pressure bar

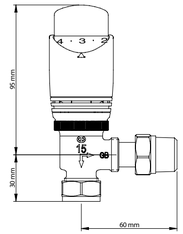
NB: 8mm and I0mm valves comprise of a standard I5mm body with reducers.

Refer to datasheet D40 for flow capacity graph

Connections
Compression fittings to BS EN I254-2 I/2" BSP threaded radiator connections to BS EN I0266 standards

Materials
Sensing head: Chrome plated brass and plastic bezel
Valve Body: Chrome plated brass

HOW WE MEASURE UP



9° NETWORK
Join our professional installer club today and benefit from extended guarantees, priority support and much more.
www.draytoncontrols.co.uk/9degrees

Technical Support: **0333 7000 6222**
www.draytoncontrols.co.uk | customer.care@draytoncontrols.co.uk
*Calls cost 7p per minute plus your telephone provider's connection charge

HEAR ALL THE NEWS @draytonheating
WATCH OUR VIDEOS /draytoncontrols

Customer Services: **0333 6000 622**

DI0-I6
In accordance with our continuous improvement procedures, we reserve the right to change design features and specifications without prior notification. The Data contained in this document is for guidance only. Drayton accepts no liability for any consequential losses, injury or damage resulting from the use of this document or the information contained within.

FM 00607

TRV4
Thermostatic Radiator Valves

Drayton
by Schneider Electric

BUILT FOR EASE
- Ultra sensitive liquid-filled head
- Non-stick valve internals
- Half/full click stop setting
- Iconic design
- Radiators can be balanced from the TRV
- Comprehensive range of products and accessories

BRITISH BUILT TO LAST

TRV4
Classic and NEW White

SETTING THE STANDARD FOR QUALITY

The TRV4 Classic and the new White TRV have been rigorously tested and Keymark approved to EN215 European Standard. This approval demonstrates the highest standards of quality, reliability, energy saving and safety. All products are manufactured in our ISO 9001 certified factory in the UK.

FEATURES:

- 'A' Rated for energy efficiency
- Keymark approved to EN125
- Contemporary design
- Non-stick valve internals
- Sensitive liquid-filled head
- Half/full click stop settings
- Radiators can be balanced from the TRV
- Frost protection position
- Double gland seal
- Replaceable internal parts

TRV4 Classic

Product	Part No.
10mm Angle TRV4	07 05 152
10mm Straight TRV4	07 05 155
15mm Angle TRV4	07 05 150
15mm Straight TRV4	07 05 151
1/2" Angle TRV4	07 05 153
1/2" Straight TRV4	07 05 156
3/4" Angle TRV4	07 05 154
3/4" Straight TRV4	07 05 157
TRV4 Integral (standard) head	07 25 006
TRV4 15mm Angle 2M remote	07 05 158
TRV4 2M Remote head only	07 25 007
TRV 6M Remote head only	07 25 008
TRV4 15mm Angle + lockshield	07 05 180

Drayton
by Schneider Electric

TRV4 Classic

TRV4 White

TRV4 White

Product	Part No.
10mm Angle TRV4 white	07 07 152
10mm Straight TRV4 white	07 07 155
15mm Angle TRV4 white	07 07 015
15mm Straight TRV4 white	07 07 115
TRV4 Integral head white	07 07 007
TRV4 15mm Angle + lockshield white	07 07 260

'A' rated for Energy Efficiency

TRV4 has been awarded the highest "A" rating for energy efficiency by the European valve manufacturers' association (TELL EU).

TRV4
Chrome

THE PERFECT SOLUTION FOR TOWEL RAILS

The TRV4 Chrome is our contemporary TRV4 which is perfect for bathrooms and towel rails. The stylish chrome finish offers a smooth wipe-clean finish that blends perfectly with towel rails.

If you are looking for a combination of performance, reliability and contemporary style the TRV4 Chrome is the perfect solution. As with all TRV4s it has non-stick internals, a double gland seal and the great benefit of preset internals which allow you to balance the radiator through the TRV.

FEATURES:

- Contemporary chrome finish
- Ideal for towel rails
- Wipe-clean surface
- Non-stick valve internals
- Sensitive liquid filled head
- Half/full click stop setting
- Radiators can be balanced through the TRV
- Double gland sealReplaceable internal parts

Use the Chrome TRV with the accessories listed on page 5 for the full TRV package.

TRV4 Chrome

Product	Part No.
Chrome TRV4 15mm angle boxed	07 05 150C
Chrome TRV4 15mm straight boxed	07 05 151C
TRV4 Integral (Chrome) Head	07 03 013
TRV4 Chrome 15mm angle + matching manual valve	07 05 170
TRV4 Chrome 15mm straight + matching manual valve	07 05 171

TRV4
Accessories

Lockshields and manual valves

Suitable for domestic radiator and towel rails. The chrome finish matches the TRV4 body.

Product	Part No.
15mm Angle lockshield with white cap	07 05 900
15mm Angle lockshield with drain off tap	07 05 901
15mm Drain off tap	07 05 902
15mm Angle lockshield with integral drain off tap	07 05 903
10mm Push-fit elbow	07 05 904
15mm Push-fit elbow	07 05 905
15mm Straight lockshield with white cap	07 05 906
15mm Angle with chrome cap	07 15 215
15mm Straight with chrome cap	07 15 216
10mm Compression elbow	07 05 907
15mm Compression elbow	07 05 908

LST RADIATORS

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

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.

TRV4 Accessories and Adapters

Product	Part no.
16 x 2mm PEX/multi layer pipe adapter (5 Pack)	07 35 016
15 x 8mm Copper adapter (5 Pack)	07 35 108
15 x 10mm Copper adapter (5 Pack)	07 35 110
ETF 2m Remote setting kit	07 55 002
ETF 6m Remote setting kit	07 55 006
Tamper guard (6 Pack)	07 35 269
White manual wheel head/isolating cap	07 35 123
Presetting key	07 35 162

TRV4 Commercial packs

Suitable for commercial applications and iron pipe applications.

Product	Part No.
TRV4 commercial radiator pack (TRV4 head with 1/2" angle valve and 1/2" angle lockshield)	07 05 187