

Section 2 Central & Water Heating



Immersion Heaters & Thermostats



Immersion heaters by Tesla UK are manufactured and approved to EN 60335-2-73. All Tesla Immersion Heaters are supplied with a dual safety thermostat, instructions and sealing washer.

- Boss size: 2.1/4" • Rating: 3kW, 240v unless otherwise stated

Copper



Note:

- Not suitable for stainless steel cylinders
- For soft water areas only

Code	Element Size	Thermostat
TIH505	11"	7"
TIH510	14"	7"
TIH515	18"	11"
TIH520	23"	11"
TIH525	27"	18"
TIH530	30"	18"
TIH535	36"	18"

Incoloy

with copper thermostat pocket



Note:

- Not suitable for stainless steel cylinders
- Suitable for medium to hard water areas

Code	Element Size	Thermostat
TIH540	11"	7"
TIH545	14"	7"
TIH547	18"	11"
TIH548	23"	11"
TIH550	27"	18"
TIH555	30"	18"
TIH560	36"	18"

1.3/4" Boss

Suitable for unvented cylinders

- BEAB approved
- Includes dual safety thermostat
- 3kW 240V
- 'O' ring included



Code	Element Size	Material
TIH476PI	14"	Incoloy
TIH572PI	14"	Titanium

Incoloy

with incoloy thermostat pocket



Note:

- Suitable for stainless steel cylinders
- Suitable for medium to hard water areas

Code	Element Size	Thermostat
TIH640	11"	7"
TIH645	14"	7"
TIH646	14" / 30" double bend	7"
TIH647	18"	11"
TIH648	23"	11"
TIH650	27"	18"
TIH655	30"	18"
TIH660	36"	18"

*TIH646 - 14" long but with the surface area of a 30" element making it more effective and durable. Can be mounted horizontally.

Titanium

with incoloy thermostat pocket



Note:

- Suitable for stainless steel cylinders
- Suitable for hard to aggressive water areas

Code	Element Size	Thermostat
TIH565	11"	7"
TIH570	14"	7"
TIH585	27"	11"

External Heater

Also known as Willis/Geez

Includes dual safety thermostat



Code	Description
TIH305	In-line heater

Dual Heaters Intertek

with incoloy thermostat pocket

- Includes dual safety thermostat
- Includes non-asbestos washer
- Includes 1m cable
- 3kW/2kW 240V
- 2.1/4" BSP brass boss



Note:

- Suitable for stainless steel cylinders
- Suitable for hard to aggressive water areas

Code	Element Size	Thermostat
TIH460	24"/11"	18"
TIH465	27"/11"	18"
TIH467	36"/11"	18"

Rod Thermostats

Dual safety

- BEAB approved • Safety cut out
- 15A, 240V • Resettable



Code	Size	Temp. Range
TS220	7"	10-70°C
TS225	11"	25-70°C
TS230	18"	20-70°C

Plug-in Thermostats

For use with 1.3/4" immersion heaters



Code	Size
TSUNI300	300mm

Immersion Heater Accessories



Code	Size/Description
IH214	Immersion plug & washer 2.1/4"
IH134	Immersion plug & washer 1.3/4"
BF445	Mechanical flange & washer 2.1/4"
BF446	Mechanical flange washer 2.1/4"
IH2141	Standard sweated flange 2.1/4"
IH01	Immersion heater washer 2.1/4"
OR476	'O' Ring 1.3/4" WRAS approved



Towel Rail Heating

Towel Rail Elements

- Complete with 1/2" chrome tee & blanking plug



Code	Watt
TR11	150w
TR12	200w
TR13	250w
TR14	300w
TR15	400w
TR16	500w
TR27-6	600w
TR27-8	800w

Towel Rail Valves

Verona

- Positive shut-off
- Bi-directional valve
- Temperature range 0-85°C
- 2 pack



Code	Description	Finish
RVVERS	Straight	White
RVVERA	Angled	White
CPTRV15	Angled	Chrome
CPTRV15-S	Straight	Chrome

Dual Fuel Corner

This valve set allows pipework to remain hidden behind the towel rail, taking the pipework from the wall and going straight into the rail.

With a 1/2" female thread on the bottom of the valves, the towel rail element can go straight through the valve, rather than going through a tee piece and then into a valve. This is one of the neatest ways to do a dual fuel installation on a towel rail.



Code	Supplied as a pair
DFTRV	15mm

Corner Pattern

Corner pattern towel rail valve set, contemporary style with cylindrical handle. This valve set with lock-shield allows pipework to remain concealed behind the towel rail, by taking pipework from the wall that the rail is attached to, and going straight up into the towel rail.



Code	Supplied as a pair
RVCORNER	15mm

Thermal Controller

This towel rail control plate by Tesla UK is used to control the output of your towel rail element. The towel rail element can be wired directly into this control plate, in the bathroom (IPX5 rated).



Code	Description
TCP200	Thermal controller IPX5

Cover Plate

This optional chrome cover is the perfect finishing touch for your Tesla Towel Rail Control Plate (TCP200).



Code	Description
TCPCP	TCP200 chrome cover only

Square Corner

This valve set with lock-shield allows pipe-work to remain concealed behind the towel rail, by taking pipework from the wall that the rail is attached to, and going straight up into the towel rail.



Code	Supplied as a pair
RVSQ	15mm

Accessories

Dual Fuel

- For use with dual fuel systems
- Chrome plated



Code	Size	Description
DFELB	1/2"	Dual Fuel Elbow
8T15	1/2"	Dual Fuel Tee

Chrome Cap

Replaces the white cap on the Tesla towel rail elements.



Code	Finish
TRECC	Chrome

Blanking Plug

- Includes 'o' ring
- Chrome plated



Code	Size
RP12C	1/2"

Air Vents



Code	Size / Description
AVM12CP	1/2" manual chrome
AVDKIT	Directional air vent & plug kit
AV12DIR	1/2" Directional

Expansion Vessels & Accessories

Heating & Cooling Vessels

Reflex NG, diaphragm expansion vessels for sealed heating and cooling systems.

- Built in accordance to EN 13831.
- Approval to pressure equipment directive 2014/68/EU.
- Welded construction
- Durable external epoxy powder coated finish
- Fixed diaphragm

Code	Litre
8230100	8
8240100	12
8250100	18
8260100	25

* Other sizes available upon request

- Max. operating temperature: 70°C
- Max. working pressure: 6 bar
- Factory air pre-charge: 1.5 bar - nitrogen



Potable Vessels

WRAS approved bladder expansion vessel for mains drinking water supply systems.

- Bladder according to DIN EN 13831
- Durable external epoxy coated finish

Code	Litre
7200300	2
7301000	8
7302000	12
7303000	18
7304000	25

* Other sizes available upon request

- Max. operating temperature: 70°C
- Max. working pressure: 10 bar
- Factory air pre-charge: 4 bar - nitrogen



Shock Arrestor

Water shock arrestors are neither expansion vessels nor buffer vessels but are designed specifically to absorb water shocks in water pipes up to 1/2". They are ideal for fitting upstream of washing machines, dishwashers or combined heating appliances.

- Max operating temperature 70°C
- Outside coated with protective paint
- Approval to EU directive 2014/68/EU

Code	Description
7351000	Shock arrestor



Accessories

Expansion vessel mounting bracket kit

- Includes:
- Bracket (holds upto 25ltr vessels)
 - Jubilee clip
 - Rawl plugs
 - Screws



Code	Description
EVMBKIT	Vessel mounting bracket kit

Sealed system installation kit

- Includes:
- WRAS approved filling loop with caps
 - Valve
 - Nut, washer & olive
 - Gauge



Code	Description
EVCKIT	Sealed system intallation kit

Expansion Vessel Lockshield Valve

Lockshield valve, shut off/drain, for membrane expansion vessels in sealed heating and cooling systems. With a protected shut-open facility against inadvertent closing, also with drain outlet (draining vessel contents) according to EN 12828.



Code	Size
EVLS	3/4"

Radiator Valves & Accessories

Winchester

Heavy brass valves in Edwardian style. A perfect match for column radiators.

- Positive shut-off
- Bi-directional valve
- Lockshield included
- Removable inserts at the bottom allow the valves to take either 15mm pipe or 1/2" thread.



Code	Colour	Size
RVWINN	Nickel	15mm x 1/2"
RVWINB	Brass	15mm x 1/2"

Standard

- All compression ends are manufactured to BSEN1254-2
- Lockshield cap



Code	Size
RV15	15mm angled
RV10S	10mm straight
RV15S	15mm straight

Standard with Drain Off



Code	Size
RVD08	8mm angled
RVD10	10mm angled
RVD15	15mm angled

Premier

- All compression ends are manufactured to BSEN1254-2
- PTFE coated tail
- Non-rising spindle
- Lockshield cap
- BS 2767-10



Code	Size
RVP08	8mm angled
RVP10	10mm angled
RVP15	15mm angled

Premier with Drain Off

- All compression ends are manufactured to BSEN1254-2
- PTFE coated tail
- Non-rising spindle
- Drain off cock
- Non-rising spindle
- Lockshield cap
- BS 2767-10



Code	Size
RVP10D	10m angled
RVP15D	15mm angled

Radiator Cap



Universal Radiator Cap

Code	Colour
RVCAP	White

Extension Pieces

Used to connect radiator valves to radiators.

15mm chrome plated shank with nut and olive. Can be cut down with pipe slice or hacksaw.



Rigid Extension Piece

Code	Size
RVEX1260	60mm
RVEX12100	100mm

Gives flexibility when connecting a radiator valve to a radiator.

15mm shank with nut and olive, for 1/2" connections.



Telescopic Extension Piece

Code	Size
RVEX1230T	Upto 50mm
RVEX1260T	Upto 70mm

Gives flexibility when connecting a radiator valve to a radiator.

- Includes drain-off.



Extension with Drain-Off

Code	Size
RVEXDOT	15mm x 1/2" x 25mm telescopic
RVEXDO	15mm x 1/2" x 60mm rigid

Radiator Tails

- Chrome

Adjustable

Code	Size
BF460	20mm
RVEX1540	40mm



Air Vents & Accessories

Keys



T Handle Style

Code	Finish
RK1	Brass



T Handle Style

Code	Finish
BF428	Alloy



Grandfather Clock Style

Code	Finish
RK1C	Brass



3-Way Radiator Allen Key

Code	Finish
TL010	Nickel

Air Vents



Capillary Air Vents

Code	Size	Finish
AV15	15mm	Brass
AV22	22mm	Brass

Standard brass, manually operated, radiator air vents.



BF420



Manual Air Vents

Code	Size	Finish
BF420	15mm	Brass
AV18B	1/8"	Brass
AV14B	1/4"	Brass
CPAV12	1/2"	Chrome
AV12	1/2"	Brass
AV12DIR	1/2"	Chrome/White



Bottle Air Vents

Code	Size / Description
BAVCV12	1/2" with checkvalve
BAVCV38	3/8" with checkvalve
BAVC12	1/2" check valve part only
BAVC38	3/8" check valve part only

Automatically bleeds radiators



Automatic Air Vents

Code	Size	Description / Finish
AV18	1/8"	Chrome
HV30C	1/2"	Aladdin Pack of 2
HV30CBP	1/2"	Aladdin autovent & plug

Cylinder & Boiler Accessories

Cylinder Flanges

- Reduces aeration of hot water
- Reduces airlocks in shower pumps & power showers
- Integrated air baffle
- Easily installed on standard cylinders



Ultimo Cylinder Flange

Code	Size
UF221M	1" MI x 3/4" FI BSP

- Reduces aeration of hot water
- Reduces airlocks in shower pumps & power showers
- Integrated air baffle
- Easily installed on standard cylinders



Leamington Flange

Code	Size
LF34M	3/4" BSP male
LF1M	1" BSP male
LF1F	1" BSP female

Thermocouples

- Fits approximately 90% of traditional, non-condensing, style boilers & appliances.



Super Universal

Code	Size
SUTC	900mm

- Supplied coiled & bagged with fitting kit.



Standard Universal

Code	Size
T20-900	900mm

- Supplied coiled & bagged with fitting kit.

Filling Loops



Part 'L' Compliant

Code	Size
CBFLS	Straight 9.5mm bore
CBFLT	Tee 9.5mm bore



Heavy Pattern

Code	Size
CV3S	Straight 9.5mm bore
CV3	Tee 9.5mm bore



Straight

Code	Size
CVBS	9.5mm bore

Bypass Valves



Auto Bypass Valve

Code	Size
ABV22	22mm - Angled
ABVS22	22mm - Straight

Safety Relief Valves



Female

Code	Size
SP505	1/2" - 3bar
SP506	1/2" - 6bar

Male

Code	Size
SRV12M	1/2"

Pipe Cowl

The Quickest, neatest, simplest and lowest cost installation solution for pressure relief termination.

- Manufactured to EN1254
- Patented



Code	Size
SRPC15	15mm
SRPC22	22mm
SRPC15EXT	15mm extended (500mm long)

Spring Safety Valves

- 3 bar blow off pressure.
- For use in gravity heating systems.



BSPT Male

Code	Size
SV12	1/2"
SV34	3/4"