

autron

LST Radiators



Sterling

Range of Low Surface Temperature radiator models to suit all budgets and applications



Sales 01787 274135 www.autron.co.uk



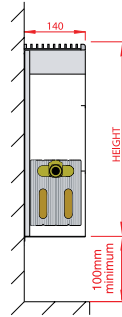
Cert. No. 7402

autron

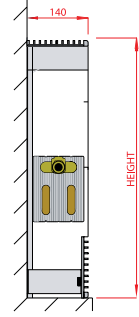
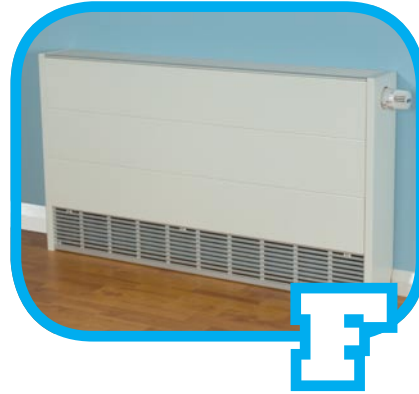
LST Radiators

The Autron "Sterling" LST radiator range is designed for universal applications with a choice of energy efficient copper aluminium emitters.

Style E Wall Mounted

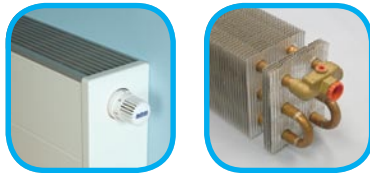


Style F Wall Mounted with Inlet Grille



Product Range

The "Sterling" range comprises of either wall mounted or wall mounted with bottom inlet grille and is available in a choice of 3 heights with lengths from 661mm to 2911mm as standard.



Emitters

The "Sterling" range has a choice of "3H2W" copper aluminium emitters for conventional heating applications or a purpose designed "5H2W" emitter suitable for use with the lower flow temperatures associated with condensing boilers. Suitable for a two pipe system.

Casings

Autron 140mm deep "Sterling" casings are supplied fully assembled for easy on site installation. The casing is supplied in a durable SteriTouch® antimicrobial polyester powder coated paint finish; RAL9010 semi gloss. The end casings and the front panel are manufactured from 1.2mm zinc coated steel. The front panel is made up of a number of individual panels which are spot welded together on their double profile return bends to create a robust panel.



All LST casings are protected with SteriTouch® antimicrobial surface treatment in the paint and moulded components. Tested to JIS Z 2801:2000. It is laboratory proven on Autron components to reduce MRSA and E.coli by 99.995% over a 24 hour period.

Grilles

The attractive anodised aluminium outlet and optional inlet grilles are easily removed for cleaning and maintenance. All grilles have SteriTouch® antimicrobial surface treatment.

Outputs

The output of the "Sterling" range has been type tested by BSR1A in accordance with BSEN 442; with the casing and grille temperatures being in general accordance with the NHS Guidance Notes: Safe hot water and surface temperatures.

The case length excludes TRV valves. The units having the 3H emitter are compliant with the NHS guidelines. The option of a 5H emitter will achieve a higher output with the front and side panels complying with the guidelines but the outlet grille temperature may exceed 43°C dependent upon operational factors.

CORRECTION FACTORS

At °C CF

30	0.509
32	0.554
34	0.6
36	0.646
38	0.695
40	0.744
42	0.793
44	0.843
46	0.895
48	0.948
50	1.0
52	1.053
54	1.105
56	1.161
58	1.213
60	1.269

Testing

All "Sterling" emitters are pressure tested to 105 PSI (7bar).

Warranty

Every "Sterling" LST Radiator is backed by a 5 year warranty in respect of defective materials and manufacture.

Air Vent

An 1/8" BSP air vent and drain are incorporated into the emitter connection of all "Sterling" LST Radiators.

Installation

Full easy to read instructions are supplied with each "Sterling" LST which detail bracket positions and tapping dimensions.

Valve Options



VK3

The VK3 valve kit is an internal control and comprises a 1/2" angle pattern valve body with presetting key, remote sensing phial and TRV head, plus a 1/2" angle lockshield valve on the return connection.



VK4

The VK4 valve kit is an external control for remote mounting and comprises 1/2" angle pattern presettable valve body, remote transmitter and TRV head, plus a 1/2" angle lockshield valve on the return connection.



VK5

The VK5 valve kit is an external control mounted partially recessed into the top right hand side of the casing and comprises 1/2" angle pattern valve body with presetting key, remote transmitter and TRV head, plus a 1/2" angle lockshield valve on the return connection.

Sterling Style **E** LST Radiator

MODEL	CASE LENGTH (mm)	OUTPUT (Watts)		WATER CONTENT		WEIGHT		
		3H2W @ Δt 50°C	5H2W @ Δt 50°C	3H2W litres	5H2W litres	Emitter		Casing (kg)
						3H2W (kg)	5H2W (kg)	
STR 310E Height 310mm	661	480	N/A	0.628	N/A	2.60	N/A	3.83
	865	687	N/A	0.850	N/A	3.53	N/A	5.02
	1070	882	N/A	1.062	N/A	4.41	N/A	6.21
	1274	1089	N/A	1.285	N/A	5.33	N/A	7.39
	1479	1284	N/A	1.497	N/A	6.21	N/A	8.58
	1684	1481	N/A	1.709	N/A	7.09	N/A	9.77
	1888	1681	N/A	1.921	N/A	7.97	N/A	10.95
	2092	1882	N/A	2.144	N/A	8.90	N/A	12.13
	2297	2083	N/A	2.361	N/A	9.80	N/A	13.32
	2502	2280	N/A	2.573	N/A	10.68	N/A	14.51
	2706	2481	N/A	2.791	N/A	11.58	N/A	15.69
2911	2688	N/A	3.003	N/A	12.46	N/A	16.88	

STR 460E Height 460mm	661	519	635	0.628	1.046	2.60	4.14	5.35
	865	749	916	0.850	1.417	3.53	5.61	7.01
	1070	980	1200	1.062	1.771	4.41	7.01	8.67
	1274	1210	1481	1.285	2.142	5.33	8.48	10.32
	1479	1440	1762	1.497	2.495	6.21	9.88	11.98
	1684	1674	2048	1.709	2.849	7.09	11.28	13.64
	1888	1904	2329	1.921	3.202	7.97	12.68	15.29
	2092	2133	2609	2.144	3.573	8.90	14.15	16.95
	2297	2364	2892	2.361	3.935	9.80	15.59	18.61
	2502	2595	3175	2.573	4.289	10.68	16.99	20.27
	2706	2825	3456	2.791	4.651	11.58	18.42	21.92
2911	3056	3740	3.003	5.005	12.46	19.82	23.58	

STR 610E Height 610mm	661	540	706	0.628	1.046	2.60	4.14	7.27
	865	779	1018	0.850	1.417	3.53	5.61	9.52
	1070	1019	1330	1.062	1.771	4.41	7.01	11.77
	1274	1258	1644	1.285	2.142	5.33	8.48	14.01
	1479	1498	1956	1.497	2.495	6.21	9.88	16.27
	1684	1740	2272	1.709	2.849	7.09	11.28	18.52
	1888	1979	2585	1.921	3.202	7.97	12.68	20.77
	2092	2218	2897	2.144	3.573	8.90	14.15	23.01
	2297	2459	3212	2.361	3.935	9.80	15.59	25.27
	2502	2699	3525	2.573	4.289	10.68	16.99	27.52
	2706	2938	3837	2.791	4.651	11.58	18.42	29.77
2911	3178	4150	3.003	5.005	12.46	19.82	32.02	

Sterling 'E' Style LST Radiators must be mounted at least 100mm above floor level.

Order Code = Model + Length - Emitter Type eg STR460E1479-3H2W.

Style E Wall Mounted



Sterling Style **F** LST Radiator

MODEL	CASE LENGTH (mm)	OUTPUT (Watts)		WATER CONTENT		WEIGHT		
		3H2W @ Δt 50°C	5H2W @ Δt 50°C	3H2W litres	5H2W litres	Emitter		Casing (kg)
						3H2W (kg)	5H2W (kg)	
661	453	N/A	N/A	0.628	N/A	2.60	N/A	5.02
865	648	N/A	N/A	0.850	N/A	3.53	N/A	6.57
1070	832	N/A	N/A	1.062	N/A	4.41	N/A	8.13
1274	1027	N/A	N/A	1.285	N/A	5.33	N/A	9.68
1479	1211	N/A	N/A	1.497	N/A	6.21	N/A	11.24
1684	1397	N/A	N/A	1.709	N/A	7.09	N/A	12.80
1888	1586	N/A	N/A	1.921	N/A	7.97	N/A	14.35
2092	1776	N/A	N/A	2.144	N/A	8.90	N/A	15.90
2297	1965	N/A	N/A	2.361	N/A	9.80	N/A	17.46
2502	2151	N/A	N/A	2.573	N/A	10.68	N/A	19.02
2706	2341	N/A	N/A	2.791	N/A	11.58	N/A	20.57
2911	2536	N/A	N/A	3.003	N/A	12.46	N/A	22.12

STR 450F

Height 450mm

STR 600F

Height 600mm

661	485	593	0.628	1.046	2.60	4.14	6.48
865	700	856	0.850	1.417	3.53	5.61	8.48
1070	916	1122	1.062	1.771	4.41	7.01	10.49
1274	1130	1383	1.285	2.142	5.33	8.48	12.49
1479	1346	1647	1.497	2.495	6.21	9.88	14.49
1684	1564	1913	1.709	2.849	7.09	11.28	16.50
1888	1779	2176	1.921	3.202	7.97	12.68	18.50
2092	1994	2439	2.144	3.573	8.90	14.15	20.50
2297	2210	2704	2.361	3.935	9.80	15.59	22.51
2502	2425	2967	2.573	4.289	10.68	16.99	24.52
2706	2640	3230	2.791	4.651	11.58	18.42	26.52
2911	2856	3495	3.003	5.005	12.46	19.82	28.53

STR 750F

Height 750mm

661	504	659	0.628	1.046	2.60	4.14	7.93
865	728	951	0.850	1.417	3.53	5.61	10.38
1070	952	1243	1.062	1.771	4.41	7.01	12.84
1274	1175	1536	1.285	2.142	5.33	8.48	15.29
1479	1400	1828	1.497	2.495	6.21	9.88	17.75
1684	1627	2124	1.709	2.849	7.09	11.28	20.21
1888	1850	2416	1.921	3.202	7.97	12.68	22.66
2092	2073	2708	2.144	3.573	8.90	14.15	25.10
2297	2298	3002	2.361	3.935	9.80	15.59	27.56
2502	2522	3294	2.573	4.289	10.68	16.99	30.02
2706	2746	3586	2.791	4.651	11.58	18.42	32.47
2911	2970	3878	3.003	5.005	12.46	19.82	34.93

Order Code = Model + Length - Emitter Type eg STR600F1479-3H2W.

Style F Wall Mounted with Inlet Grille



autron

LST Radiators

Products Available

Autron produce premium quality LSTs from the Slenderline, Euroline, Sterling and Sovereign ranges, all boasting energy efficient copper aluminium emitters.



Slenderline

The Autron "Slenderline" LST radiator range is the slimmest LST currently available in the UK, suitable for applications where unobtrusive heating is required with a choice of emitters designed for conventional or condensing boiler applications.



Euroline

The Autron "Euroline" LST radiator range is designed to complement the "Slenderline" LST where a higher output is required with a choice of emitters designed for conventional or condensing boiler applications.



Sterling

The Autron "Sterling" LST radiator range is designed for universal applications with a choice of emitters designed for conventional or condensing boiler applications.



Sovereign

The Autron "Sovereign" LST radiator range is the top of the range model with safety, strength and performance for the most demanding environments. Available with a choice of emitters designed for conventional or condensing boiler applications.



Sovereign Double

The Autron "Sovereign DBL" LST radiator range is designed to complement the "Sovereign" LST where a higher output is required and a choice of emitters designed for conventional or condensing boiler applications.

Special features include:

- Bespoke Designs
- Mental Health Environments
- Slimmest ever LST
- Outputs up to 8000w Δt 50°C

autron

LST Radiators

Water Treatment

Our products are not suitable for installation on secondary HWS circuits. They are for use on closed heating systems only. The entire system must be flushed and cleaned thoroughly to remove unwanted debris, flux residues and such like. If a chemical cleaner has been used it must be completely flushed from the system. To prevent corrosion, the system must be dosed with a good eminance of water treatment. The system design, all flushing and dosing must be in accordance with BS 5449: 1990, BS EN 12828: 2003 and BS 7593: 1992.

Warning:

Failure to adhere to these requirements will render the product guarantee void.

Corrosion inhibitor must be used in accordance with the manufacturer's recommendations and instructions whilst also taking the particular metals in the system into account.

3 Step Easy Installation



**Fit brackets
to wall**



Fit emitter



Fit case

DISCLAIMER: Due to a policy of continuous product development Autron Products Ltd reserves the right to alter any of the specifications without prior notice. Our standard current terms and conditions of sale apply. Figures and specifications are correct at time of printing but subject to alteration or withdrawal without notice. All illustrations and images are as accurate as possible but some deviations from the original may occur during the printing process.

Autron Products Ltd

Unit 17 Second Avenue,
Bluebridge Industrial Estate
Halstead
Essex CO9 2SU

Telephone 01787 473964
Fax 01787 474061
Email: sales@autron.co.uk
www.autron.co.uk

