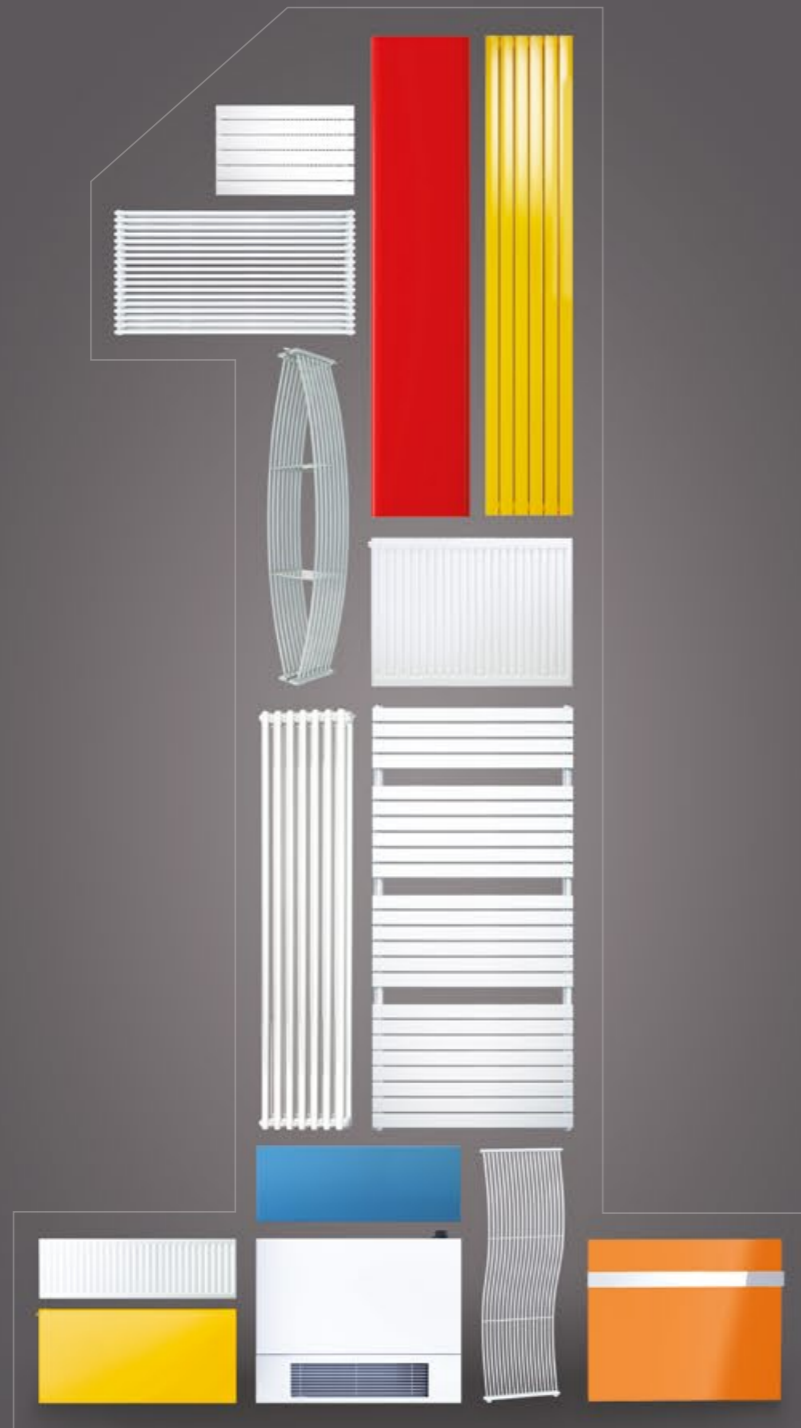




The Radiator Book

*There's a reason Stelrad are the UK's
number one radiator brand*



LEADING THE WAY

Stelrad has been manufacturing high quality, steel radiators since 1936, so it's safe to say we know a thing or two about heating.

Since our beginnings, we've grown into the UK's number one radiator brand, manufacturing and distributing over 2 million radiators and products every year. With an expert research facility in Belgium, we're dedicated to continually developing innovative products and widening our extensive range to enable you to offer your customers the largest selection of technically-advanced radiator styles and sizes in the UK.



Vita Eco



Vita Compact



Vita Deco Vertical



Vita Deco



Vita Compact Vertical



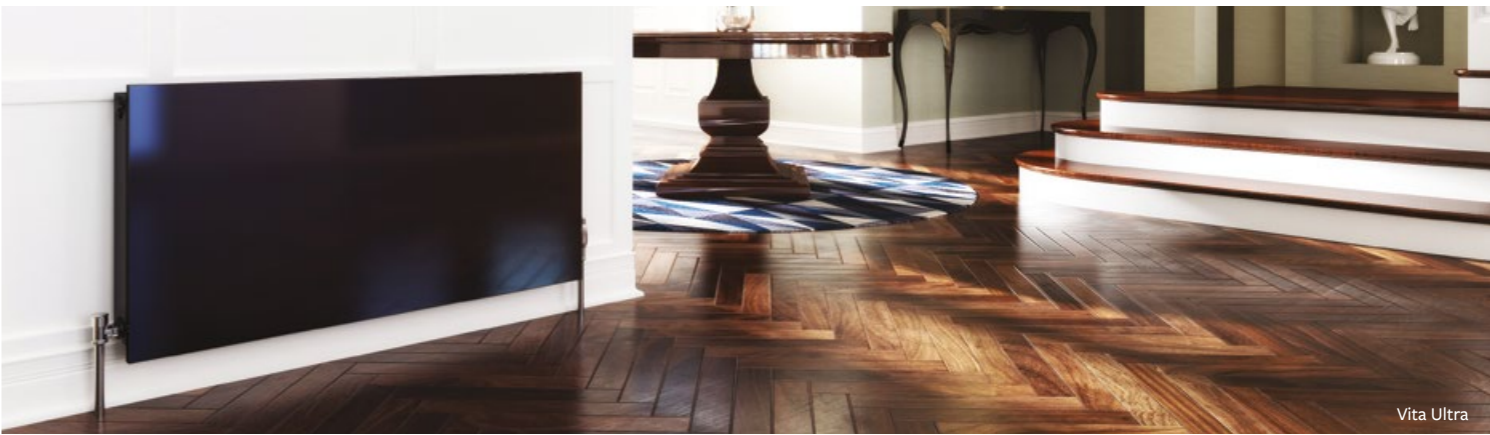
Vita Plan



Vita Plan Vertical



Vita Value



Vita Ultra



THINGS TO CONSIDER

Innovation, development and customer service is at the heart of everything we do, and we offer ranges of radiators to suit your every need. Energy saving, safety, designer style, kitchens, bathrooms - a huge choice, many available in 36 colours to match your taste and decor. Ordering is easy, and you can download simple fitting instructions and guides from our website. So when you're thinking about radiators, there's just one name to consider... Stelrad.

PRODUCT RANGES

Discover our range of designer radiators, expertly designed and styled to suit every taste and interior. You can choose from a range of shapes, sizes, colours and finishes.

COLOURS

These days you are not limited to a traditional white radiator, you have the freedom to choose the most suitable colour radiator which will complement the colour scheme of your room. Most of our radiators can be ordered in a choice of 36 colours and have a 6 week lead time.



FITTING

Plumbers and installers are at the heart of everything we do. Our definitive range of products offers a solution for every project and requirement. View our helpful range of downloadable installation documents and videos at Stelrad.com

QUOTE SERVICE

Our nationwide Specification and Quotes Teams are on hand to discuss your requirements for your project. Contact our expert Quotes Team for a personalised quote on 01709 572267 or email stelrad.quotes@stelrad.com

ORDERING

If you would like to order a product, please visit Stelrad.com to find your nearest stocking branch.

Vita Series

Vita Value

Vita Compact

Vita Eco

Vita Deco

Vita Plan

Vita Ultra

NEW Vita Compact Vertical

NEW Vita Deco Vertical

NEW Vita Plan Vertical



MARKET LEADING PRICES FROM YOUR MARKET LEADER

The Vita Series is made up of six expertly selected radiators for the home, which provide unbeatable value, quality & design to suit every budget and taste.



VITA VALUE

Stelrad quality at the best price on the market. The Stelrad Vita Value is the obvious choice for homeowners.

Please refer to page 34 for technical information.

RANGE	90
TYPES	K1, P+, K2
HEIGHTS (MM)	300 - 700
LENGTHS (MM)	400 - 2000
OUTPUTS (WATTS)	250 - 3621
OUTPUTS (BTU/HR)	851 - 12355





VITA COMPACT

The Stelrad Vita Compact is a stylish compact radiator, with a compact price to match.

Please refer to page 38 for technical information.

RANGE	90
TYPES	K1, P+, K2
HEIGHTS (MM)	300 - 700
LENGTHS (MM)	400 - 2000
OUTPUTS (WATTS)	247 - 3531
OUTPUTS (BTU/HR)	843 - 12048





VITA ECO

Save money & energy. Highly efficient energy saving radiator saving up to 10.5% on fuel bills, at a cost-effective price, that's the Stelrad Vita Eco.

Accessories included are:

- ♦ TRV head
- ♦ Integral Thermostatic Valve
- ♦ Piping connections with either 10mm or 15mm couplings
- ♦ Hydro connection block with straight or angled piping options
- ♦ Hydro block also includes drain off function

Please refer to page 42 for technical information.

RANGE	132
TYPES	K1, K2
HEIGHTS (MM)	300, 500, 600
LENGTHS (MM)	400 - 2000
OUTPUTS (WATTS)	333 - 3234
OUTPUTS (BTU/HR)	1136 - 11034

10
YEAR
WARRANTY

24
HOUR DELIVERY
AVAILABLE

ENERGY
SAVING

AWARD
WINNING

BIM
AVAILABLE

VITA DECO

The Stelrad Vita Deco's sleek and elegant lines make this an easy move to designer radiators. With a premium exterior and Stelrad quality, it's a clear choice for the interior-conscious homeowner.

RANGE	40
TYPES	K1, K2
HEIGHTS (MM)	300, 450, 600
LENGTHS (MM)	400 - 2000
OUTPUTS (WATTS)	235 - 3203
OUTPUTS (BTU/HR)	802 - 10928

10
YEAR
WARRANTY

24
HOUR DELIVERY
AVAILABLE

BIM
AVAILABLE

Please refer to page 60 for technical information.





VITA PLAN

A minimal, stylish design for an understated, flat finish, the Stelrad Vita Plan is simplicity at its best. Available in a wide range of heights and widths, the Vita Plan can be tailored to work for any space.

Please refer to page 61 for technical information.

RANGE	40
TYPES	K1, K2
HEIGHTS (MM)	300, 450, 600
LENGTHS (MM)	400 - 2000
OUTPUTS (WATTS)	235 - 3203
OUTPUTS (BTU/HR)	802 - 10928

10
YEAR
WARRANTY

24
HOUR DELIVERY
AVAILABLE

BIM
AVAILABLE



VITA ULTRA

The Stelrad Vita Ultra radiator is ideal for those who are passionate about colour. Available in a range of bespoke finishes and complete with optional towel rails, the Stelrad Vita Ultra is also perfectly suited for bathrooms and kitchens.

RANGE	27
TYPES	P+, K2
HEIGHTS (MM)	500, 600
LENGTHS (MM)	400 - 2000
OUTPUTS (WATTS)	410 - 3203
OUTPUTS (BTU/HR)	1398 - 10928
COLOURS	36

Please refer to page 64 for technical information.
Please refer to page 72 for colour options.

10
YEAR
WARRANTY

6
WEEK LEAD TIME
FOR COLOUR
OPTIONS

MADE TO
ORDER

BIM
AVAILABLE





NEW VITA COMPACT VERTICAL

A compact vertical with a compact price to match, the Vita Compact Vertical is a smart and stylish choice for a smaller space.

Please refer to page 66 for technical information.

RANGE	3
TYPES	K2
HEIGHTS (MM)	1800
LENGTHS (MM)	400, 500, 600
OUTPUTS (WATTS)	1584 - 2376
OUTPUTS (BTU/HR)	5405 - 8107



NEW VITA DECO VERTICAL

Designer style hits new heights with this sleek and elegant Vita Deco Vertical - the perfect premium quality choice for modern homes.

Please refer to page 68 for technical information.

RANGE	3
TYPES	K2
HEIGHTS (MM)	1800
LENGTHS (MM)	400, 500, 600
OUTPUTS (WATTS)	1476 - 2214
OUTPUTS (BTU/HR)	5036 - 7554





NEW VITA PLAN VERTICAL

Minimalist styling with an understated flat finish, simply perfect. The Vita Plan Vertical will complement any space.

Please refer to page 70 for technical information.

RANGE	3
TYPES	K2
HEIGHTS (MM)	1800
LENGTHS (MM)	400, 500, 600
OUTPUTS (WATTS)	1476 - 2214
OUTPUTS (BTU/HR)	5036 - 7554



TECHNICAL INFORMATION

ACCESSORIES
OUTPUTS
DIMENSIONS
FITTINGS
ASSEMBLY
FINISHES

We recommend that you place the brackets between the 2nd and 3rd pipes 80mm from the radiator to the centre of the bracket.

INSERT

360°

80MM

Technical information

Extra performance to guaranteed standards

Stelrad combine the most sophisticated production resources in Europe with substantial investment in testing and verification of performance data - which has helped us create high output radiators delivering heating performance that exceeds expectation.

More choice for application flexibility

A range of models provide extra sizing flexibility and covers a multitude of application requirements, including those where there are installation difficulties or where wall space is at a premium.

Superb quality from design to installation

Our radiators are specifically designed to minimise any movement, providing a tight, professional fit that will remain in place, even after storage, transit and installation. Convectors are precision welded directly onto the waterways for greater efficiency and economy, with flexible connection options for the highest of commercial and domestic application specifications.

Stelrad radiators are manufactured under ISO 9001 quality systems in the UK and every one comes wrapped in robust, practical packaging that will keep the product pristine, right through to installation. This clever packaging design allows installation to be completed prior to removal.

Temperature table

For systems not operating at $\Delta t50$ the factors in the table below should be applied. The output of a given radiator can be obtained by multiplying the quoted $\Delta t50$ output by the operating factor. Conversely, to derive a non $\Delta t50$ output, divide the heat output required by the relevant operation factor. This ‘ $\Delta t50$ equivalent output’ can then be used to select a radiator from the standard tables.

°C		°F	
Δt	Operating Factor	Δt	Operating Factor
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	150	1.776
75	1.694	-	-

Example: Exact output at $\Delta t50 = 2000 \text{ Btu/hr}$
Output at $\Delta t30 = 2000 \times 0.515 = 1030 \text{ Btu/hr}$
Average coefficient of 130 is used in the example above

Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar). Strictly controlled independent laboratory testing ensures that all Stelrad radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C. All conform to BS EN 442 - the European Standard for radiators.

Connections

Each radiator has 4 x ½” connections as standard. A ¾” valve adaptor is also available, providing a ¾” connector option to the valve without reducing performance.

Applications

Stelrad radiators are suitable for two pipe installations. For single pipe applications, it is advisable to use diversion tees in the pipework, as this will assist in obtaining design performance from the radiators. Although our radiators are suitable for Microbore pipework, the back tappings make them unsuitable for twin entry valves.

Installation

Everything required for installation can be found within each radiator’s packaging. Brackets are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint, whilst complementing the superior finish.

To facilitate easy one off replacement, nickel-plated brass extension pieces are also available, complete with sealing washer, in 20mm, 30mm and 40mm options. Recommended height from the floor to the base of the radiator is 150mm minimum. This allows adequate airflow when the radiator is placed on the bracket.

Caution

When designing for domestic systems we recommend that the Stelrad radiators are only used in heating systems complying with British Standard Code of Practice for Central Heating for Domestic Premises BS EN 12828:2003 and BS EN 12831:2003.

Single feed, direct cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice BS 7593:2006 for the Treatment of Water in Domestic Hot Water Central Heating Systems, Part L of Building Regulations and Good Practice Guidance for Scotland.

After installation of a new Stelrad radiator the central heating system should be cleaned and flushed with cleaner to remove existing contaminants, flux residue and other installation debris which, if left, can cause damage to the new radiator. Afterwards, treat the system with an inhibitor to ensure long term protection against corrosion and limescale.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
7650 Daresbury Park,
Warrington,
Cheshire, WA4 4BS,
www.sentinelprotects.com

Fernox
Unit 2 Genesis Business Park,
Albert Drive, Sheerwater,
Woking, Surrey,
GU21 5RW
www.fernox.com

Two coat paint process

Each Stelrad radiator is subjected to a multi stage cleaning process before the paint is applied. This involves several rinsing stages, including an iron phosphate and demineralisation rinse. The first coat of paint is applied by electrophoresis and the radiator is then stoved and cooled. The second powder coat in warm white (RAL 9016) is applied and the radiator goes through a final curing stage. It is then allowed to cool, prior to packaging.

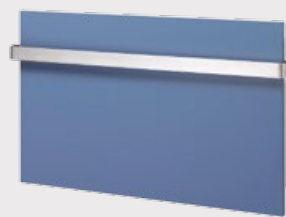


The Stelrad STARS Heatloss Calculator contains an inbuilt U value calculator. Save time and effort by using the Stelrad STARS program - the perfect solution for accurate sizing and design flexibility. Visit www.starsapp.co.uk

For further information and advice call 0844 543 6200.

Accessories

VITA ULTRA TOWEL RAIL BAR



400mm wide UIN 8310004
600mm wide UIN 8310006
800mm wide UIN 8310008
1000mm wide UIN 8310010

Available for the Vita
Ultra only

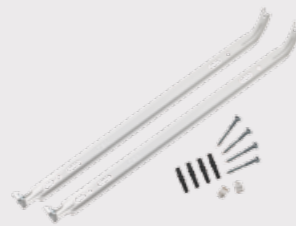
PRESET KEY



Part of the hardware pack.
UIN no. 9222

Available for the
Vita Eco only

FULL HEIGHT & ANTI-LIFT BRACKETS



300mm wide UIN 9191
400mm wide UIN 9192
450mm wide UIN 9193
500mm wide UIN 9194
600mm wide UIN 9195
700mm wide UIN 9196

Full height and anti-lift brackets
are available for a secure fixing
in commercial applications.

Available for all the products
within the Vita Series

EXTENSION PIECES



Optional extension pieces
for easy replacement.
20mm UIN 9176
30mm UIN 9177
40mm UIN 9178

Available for all the products
within the Vita Series

3/4" VALVE ADAPTOR



Optional 3/4" valve adapter for
connection without performance
reduction.
UIN 140117

Available for all the products
in the Vita Series

FLOOR MOUNTING BRACKETS



300mm wide UIN 9179
450mm wide UIN 9180
500mm wide UIN 9197
600mm wide UIN 9181
700mm wide UIN 9182

Floor standing brackets provide
a practical solution for standard
models, where situations, such
as tiled walls, create installation
difficulties.

Available for Vita Value, Vita
Compact, Vita Deco, Vita Plan,
Vita Eco.

ROBUST PACKAGING



Robust packaging protects the product
right through to hand over. Installation
instructions can be found on the reverse
of the identification label.

Example packaging above, the packaging
for each radiator will vary.

ALL FIXINGS

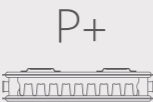


All fixing requirements are complete
within the packaging. Content will vary
depending on product.

Vita Value



50 Δt
(75/65/20°C)



	Height mm	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT
300		500	75301105	250 851	£14.63	£17.56	—	—	— —	—	—	500	75302205	506 1727	£21.81	£26.17
		1000	75301110	499 1703	£23.87	£28.64	—	—	— —	—	—	1000	75302210	1012 3454	£37.95	£45.54
		1500	75301115	749 2554	£33.96	£40.75	—	—	— —	—	—	1500	75302215	1518 5181	£58.30	£69.96
450		400	75451104	291 992	£14.94	£17.93	—	—	— —	—	—	400	75452204	564 1925	£23.73	£28.48
		500	75451105	364 1240	£16.59	£19.91	—	—	— —	—	—	500	75452205	705 2406	£27.55	£33.06
		600	75451106	436 1488	£17.43	£20.92	—	—	— —	—	—	600	75452206	845 2884	£30.51	£36.61
		700	75451107	509 1736	£20.33	£24.40	—	—	— —	—	—	700	75452207	986 3365	£33.22	£39.86
		800	75451108	582 1984	£23.23	£27.88	—	—	— —	—	—	800	75452208	1127 3846	£35.25	£42.30
		900	75451109	654 2232	£26.14	£31.37	—	—	— —	—	—	900	75452209	1268 4328	£38.14	£45.77
		1000	75451110	727 2481	£29.04	£34.85	—	—	— —	—	—	1000	75452210	1409 4809	£40.68	£48.82
		1100	75451111	800 2729	£31.95	£38.34	—	—	— —	—	—	1100	75452211	1550 5290	£44.75	£53.70
		1200	75451112	872 2977	£34.85	£41.82	—	—	— —	—	—	1200	75452212	1691 5771	£48.82	£58.58
		1400	75451114	1018 3473	£40.66	£48.79	—	—	— —	—	—	1400	75452214	1974 6734	£62.88	£75.46
600		1600	75451116	1163 3969	£46.47	£55.76	—	—	— —	—	—	1600	75452216	2255 7693	£71.87	£86.24
		1800	75451118	1309 4465	£56.75	£68.10	—	—	— —	—	—	1800	75452218	2537 8655	£80.86	£97.03
		400	75601104	375 1279	£16.29	£19.55	400	75602104	564 1925	£21.76	£26.11	400	75602204	711 2427	£25.89	£31.07
		500	75601105	469 1599	£18.10	£21.72	500	75602105	705 2406	£25.35	£30.42	500	75602205	889 3034	£30.05	£36.06
		600	75601106	562 1918	£19.01	£22.81	600	75602106	845 2884	£28.21	£33.85	600	75602206	1067 3642	£33.28	£39.94
		700	75601107	656 2238	£22.18	£26.62	700	75602107	986 3365	£30.32	£36.38	700	75602207	1245 4249	£36.24	£43.49
		800	75601108	750 2558	£25.34	£30.41	800	75602108	1127 3846	£34.65	£41.58	800	75602208	1422 4853	£38.47	£46.16
		900	75601109	843 2877	£28.51	£34.21	900	75602109	1268 4328	£38.98	£46.78	900	75602209	1600 5461	£41.61	£49.93
		1000	75601110	937 3197	£31.68	£38.02	1000	75602110	1409 4809	£43.32	£51.98	1000	75602210	1778 6068	£44.38	£53.26
		1100	75601111	1031 3517	£34.85	£41.82	1100	75602111	1550 5290	£47.65	£57.18	1100	75602211	1957 6676	£48.82	£58.58
700		1200	75601112	1124 3836	£38.01	£45.61	1200	75602112	1691 5771	£51.98	£62.37	1200	75602212	2134 7283	£53.25	£63.90
		1400	75601114	1312 4476	£44.36	£53.23	1400	75602114	1974 6734	£60.64	£72.77	1400	75602214	2490 8495	£68.61	£82.33
		1600	75601116	1499 5115	£50.69	£60.83	1600	75602116	2255 7693	£69.31	£83.17	1600	75602216	2846 9710	£78.40	£94.08
		1800	75601118	1687 5755	£61.91	£74.29	—	—	— —	—	—	1800	75602218	3201 10922	£88.20	£105.84
		—	—	— —	—	—	—	—	— —	—	—	2000	75602220	3557 12137	£134.99	£161.99
		400	75701104	427 1458	£22.27	£26.72	—	—	— —	—	—	400	75702204	804 2744	£35.38	£42.46
		500	75701105	534 1822	£24.74	£29.69	—	—	— —	—	—	500	75702205	1006 3433	£41.07	£49.28
		600	75701106	641 2186	£25.97	£31.16	—	—	— —	—	—	600	75702206	1207 4119	£45.49	£54.59
		700	75701107	748 2551	£30.31	£36.37	—	—	— —	—	—	700	75702207	1408 4806	£49.53	£59.44
		800	75701108	854 2915	£34.64	£41.57	—	—	— —	—	—	800	75702208	1610 5492	£52.57	£63.08
700		900	75701109	961 3280	£38.97	£46.76	—	—	— —	—	—	900	75702209	1811 6178	£56.87	£68.24
		1000	75701110	1068 3644	£43.30	£51.96	—	—	— —	—	—	1000	75702210	2012 6864	£60.65	£72.78
		1100	75701111	1175 4008	£47.62	£57.14	—	—	— —	—	—	1100	75702211	2213 7550	£66.72	£80.06
		1200	75701112	1282 4373	£51.96	£62.35	—	—	— —	—	—	1200	75702212	2414 8236	£72.78	£87.34
		1400	75701114	1495 5102	£60.62	£72.74	—	—	— —	—	—	1400	75702214	2816 9608	£93.76	£112.51
		1600	75701116	1709 5830	£69.27	£83.12	—	—	— —	—	—	1600	75702216	3219 10983	£107.16	£128.59
		1800	75701118	1922 6559	£84.62	£101.54	—	—	— —	—	—	1800	75702218	3621 12355	£120.55	£144.66

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

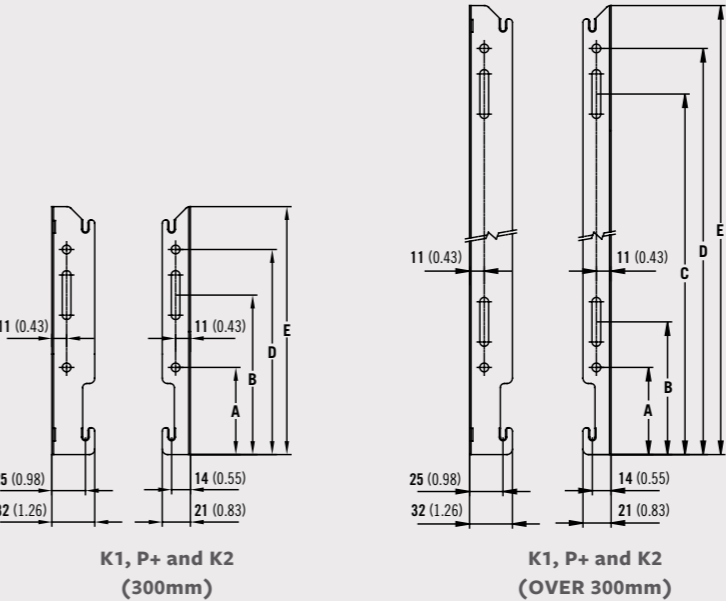
Vita Value



EN 442 CERTIFICATION DATA - CETIAT TESTED IN ACCORDANCE WITH BS EN 442

Type	K1						P+				K2			
Height	300	450	500	600	700	900	300	450	600	700	300	450	600	700
W/m at 75/65/20	499	727	799	937	1068	1306	745	1055	1345	1961	982	1371	1732	1961
n-coefficients	1.28	1.28	1.28	1.28	1.30	1.35	1.33	1.33	1.34	1.34	1.33	1.33	1.33	1.34
Heated surface area (m²/m)	1.75	2.82	3.17	3.87	4.58	5.99	2.44	3.84	5.24	9.15	3.51	5.62	7.74	9.15
Weight (kg/m)	7.34	11.8	13.28	16.25	18.7	23.6	14.29	22.04	29.8	40.53	16.8	25.9	35	40.53
Water contents (l/m)	1.88	2.59	2.83	3.30	3.80	4.80	3.70	5.15	6.60	7.63	3.70	5.15	6.60	7.63
Wall to tap centre (mm)	-	-	37	37	37	37	62	62	62	62	73	73	73	73

MOUNTING BRACKETS
All dimensions in mm. Inches in brackets.
Floor mounting brackets available.



K1, P+ AND K2 (300mm)

Dimensions	mm	inches	mm	inches	mm	inches	mm	inches
Height	300	11.81	450	17.72	600	23.62	700	27.56
A	65	2.56	65	2.56	65	2.56	65	2.56
B	119	4.69	99	3.90	99	3.90	99	3.90
C	-	-	269	10.59	419	16.50	519	20.43
D	153	6.02	303	11.93	453	17.83	553	21.77
E	185	7.28	335	13.19	485	19.09	585	23.03

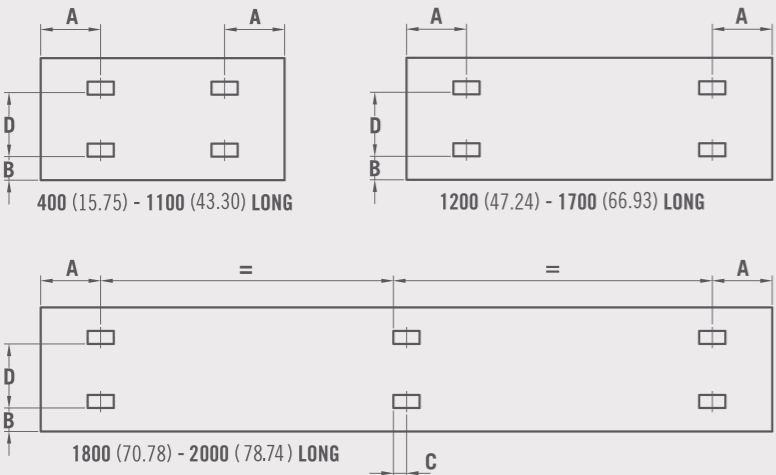
Vita Value

 **Stelrad**® Vita Series



K1, P+ AND K2 LUG POSITION

All dimensions in mm. Inches in brackets.

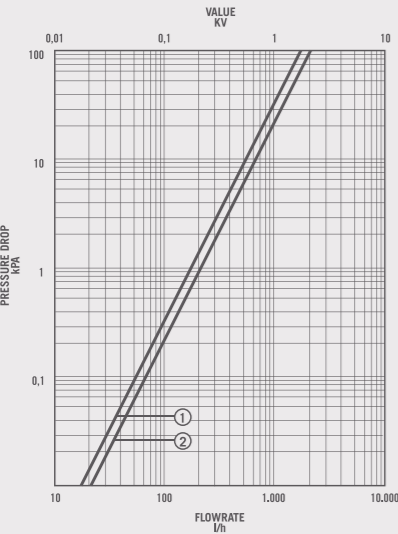


PANEL HEIGHT		D	
mm	in	mm	in
300	11.81	155	6.10
450	17.72	305	12.01
600	23.62	455	17.91
700	27.56	555	21.95

Dimensions	K1		P+ & K2	
	mm	in	mm	in
A 400mm	117	4.61	133	5.24
A 500 - 2000mm	150	5.91	133	5.24
B 400 - 2000mm	60	2.36	60	2.36
C 1800 - 2000mm	17	0.67	L/2	L/2

L/2 is the length divided by two.

PRESSURE DROP



- ① Type 11 (K1)
- ② Type 21 (P+), 22 (K2)

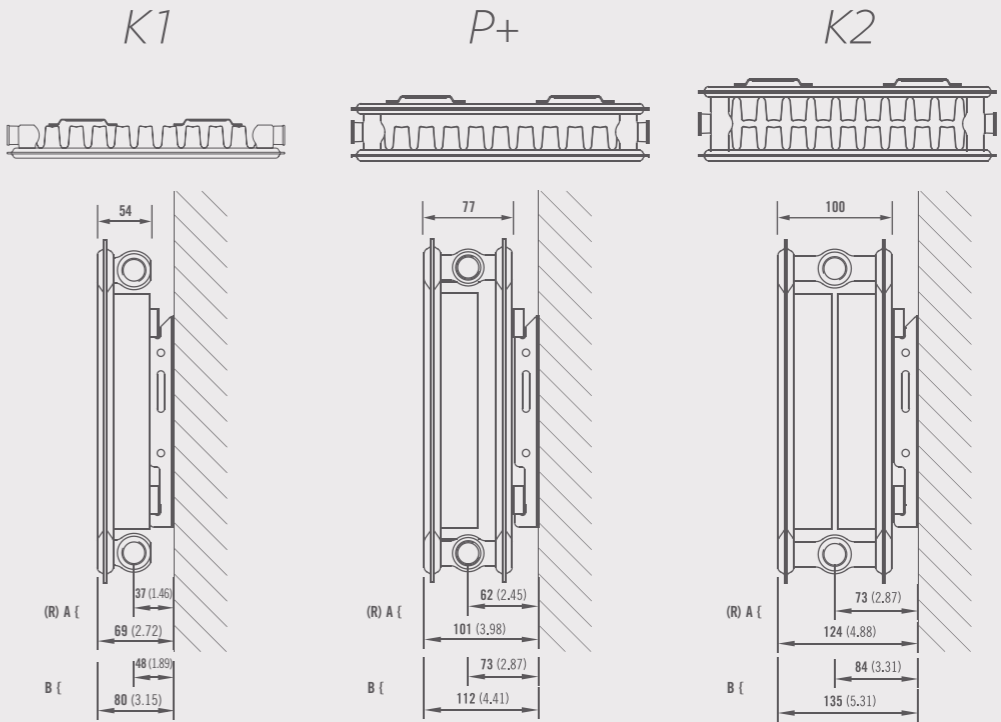
Vita Value

 **Stelrad**® Vita Series



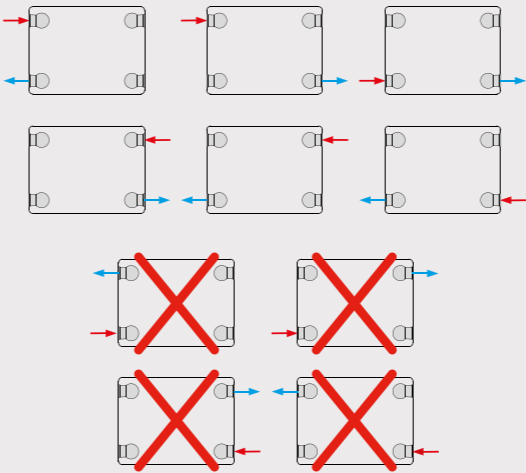
WALL MOUNTING INFORMATION

All dimensions in mm. Inches in brackets.



Value bracket position. A = Closest to wall / B = Furthest from wall / (R) = Recommended mounting position

VALUE PIPING OPTIONS



Vita Compact



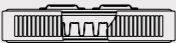
50 Δt

(75/65/20°C)

K1



P+



K2



	Height mm	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT
300		500	76301105	247 843	£15.80	£18.96	–	–	– –	–	–	500	76302205	491 1676	£23.55	£28.26
		1000	76301110	494 1686	£25.78	£30.94	–	–	– –	–	–	1000	76302210	982 3352	£40.98	£49.18
		1500	76301115	741 2528	£36.67	£44.00	–	–	– –	–	–	1500	76302215	1473 5027	£62.96	£75.55
450		400	76451104	286 977	£16.13	£19.36	–	–	– –	–	–	400	76452204	548 1870	£25.63	£30.76
		500	76451105	358 1221	£17.92	£21.50	–	–	– –	–	–	500	76452205	686 2341	£29.75	£35.70
		600	76451106	430 1466	£18.82	£22.58	–	–	– –	–	–	600	76452206	823 2809	£32.95	£39.54
		700	76451107	501 1710	£21.95	£26.34	–	–	– –	–	–	700	76452207	960 3276	£35.88	£43.06
		800	76451108	573 1954	£25.09	£30.11	–	–	– –	–	–	800	76452208	1097 3744	£38.07	£45.68
		900	76451109	644 2199	£28.23	£33.88	–	–	– –	–	–	900	76452209	1234 4212	£41.19	£49.43
		1000	76451110	716 2443	£31.36	£37.63	–	–	– –	–	–	1000	76452210	1371 4679	£43.93	£52.72
		1100	76451111	788 2687	£34.50	£41.40	–	–	– –	–	–	1100	76452211	1508 5147	£48.33	£58.00
		1200	76451112	859 2932	£37.63	£45.16	–	–	– –	–	–	1200	76452212	1645 5614	£52.72	£63.26
		1400	76451114	1002 3420	£43.91	£52.69	–	–	– –	–	–	1400	76452214	1920 6550	£67.91	£81.49
		1600	76451116	1146 3909	£50.18	£60.22	–	–	– –	–	–	1600	76452216	2195 7488	£77.61	£93.13
	1800	76451118	1289 4397	£61.29	£73.55	–	–	– –	–	–	1800	76452218	2469 8423	£87.32	£104.78	
600		400	76601104	369 1260	£17.59	£21.11	400	76602104	538 1836	£23.50	£28.20	400	76602204	693 2365	£27.96	£33.55
		500	76601105	462 1575	£19.55	£23.46	500	76602105	673 2297	£27.38	£32.86	500	76602205	866 2956	£32.45	£38.94
		600	76601106	554 1890	£20.53	£24.64	600	76602106	807 2754	£30.46	£36.55	600	76602206	1039 3546	£35.94	£43.13
		700	76601107	646 2204	£23.95	£28.74	700	76602107	942 3215	£32.74	£39.29	700	76602207	1212 4137	£39.14	£46.97
		800	76601108	738 2519	£27.37	£32.84	800	76602108	1076 3672	£37.42	£44.90	800	76602208	1386 4730	£41.54	£49.85
		900	76601109	831 2834	£30.79	£36.95	900	76602109	1211 4133	£42.10	£50.52	900	76602209	1559 5321	£44.93	£53.92
		1000	76601110	923 3149	£34.21	£41.05	1000	76602110	1345 4590	£46.78	£56.14	1000	76602210	1732 5911	£47.93	£57.52
		1100	76601111	1015 3464	£37.63	£45.16	1100	76602111	1480 5051	£51.46	£61.75	1100	76602211	1906 6502	£52.72	£63.26
		1200	76601112	1108 3779	£41.05	£49.26	1200	76602112	1615 5509	£56.13	£67.36	1200	76602212	2078 7092	£57.51	£69.01
		1400	76601114	1292 4409	£47.90	£57.48	1400	76602114	1884 6427	£65.49	£78.59	1400	76602214	2426 8277	£74.09	£88.91
		1600	76601116	1477 5039	£54.74	£65.69	1600	76602116	2153 7345	£74.85	£89.82	1600	76602216	2772 9457	£84.67	£101.60
	1800	76601118	1661 5669	£66.86	£80.23	–	–	– –	–	–	1800	76602218	3119 10642	£95.25	£114.30	
	–	–	– –	–	–	–	–	– –	–	–	2000	76602220	3465 11823	£145.78	£174.94	
700		400	76701104	421 1436	£24.05	£28.86	–	–	– –	–	–	400	76702204	784 2676	£38.21	£45.85
		500	76701105	526 1795	£26.72	£32.06	–	–	– –	–	–	500	76702205	981 3348	£44.35	£53.22
		600	76701106	631 2154	£28.05	£33.66	–	–	– –	–	–	600	76702206	1177 4017	£49.12	£58.94
		700	76701107	736 2513	£32.73	£39.28	–	–	– –	–	–	700	76702207	1373 4686	£53.49	£64.19
		800	76701108	842 2872	£37.41	£44.89	–	–	– –	–	–	800	76702208	1569 5355	£56.77	£68.12
		900	76701109	947 3230	£42.08	£50.50	–	–	– –	–	–	900	76702209	1765 6024	£61.41	£73.69
		1000	76701110	1052 3589	£46.76	£56.11	–	–	– –	–	–	1000	76702210	1962 6693	£65.50	£78.60
		1100	76701111	1157 3948	£51.43	£61.72	–	–	– –	–	–	1100	76702211	2158 7362	£72.05	£86.46
		1200	76701112	1262 4307	£56.11	£67.33	–	–	– –	–	–	1200	76702212	2354 8031	£78.60	£94.32
		1400	76701114	1473 5025	£65.46	£78.55	–	–	– –	–	–	1400	76702214	2746 9369	£101.25	£121.50
		1600	76701116	1683 5743	£74.81	£89.77	–	–	– –	–	–	1600	76702216	3139 10710	£115.72	£138.86
	1800	76701118	1894 6461	£91.38	£109.66	–	–	– –	–	–	1800	76702218	3531 12048	£130.18	£156.22	

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

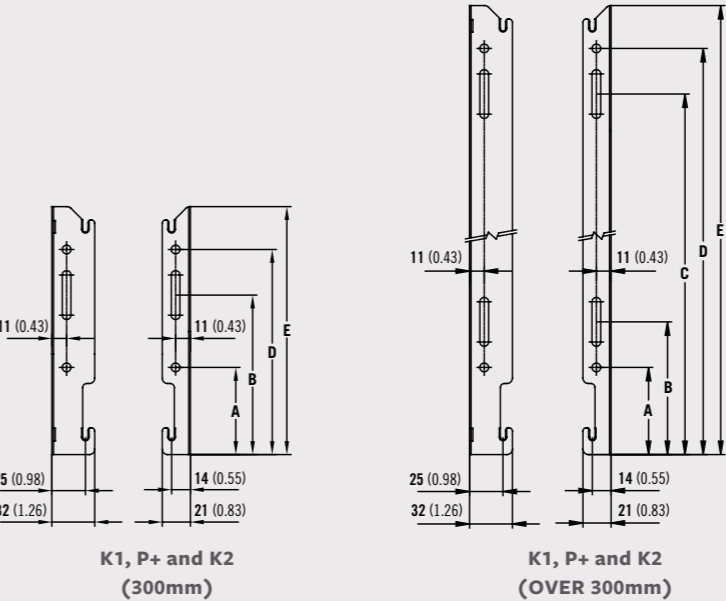
Vita Compact



EN 442 CERTIFICATION DATA - CETIAT TESTED IN ACCORDANCE WITH BS EN 442

Type	K1						P+				K2			
Height	300	450	500	600	700	900	300	450	600	700	300	450	600	700
W/m at 75/65/20	494	716	786	923	1052	1292	745	1055	1345	1961	982	1371	1732	1961
n-coefficients	1.27	1.28	1.28	1.29	1.31	1.35	1.33	1.33	1.34	1.34	1.33	1.33	1.33	1.34
Heated surface area (m²/m)	1.75	2.82	3.17	3.87	4.58	5.99	2.44	3.84	5.24	9.15	3.51	5.62	7.74	9.15
Weight (kg/m)	8.16	12.80	14.35	17.45	20.05	25.25	14.29	22.04	29.8	40.53	16.8	25.9	35	40.53
Water contents (l/m)	1.88	2.59	2.83	3.30	3.80	4.80	3.70	5.15	6.60	7.63	3.70	5.15	6.60	7.63
Wall to tap centre (mm)	-	-	37	37	37	37	62	62	62	62	73	73	73	73

MOUNTING BRACKETS
All dimensions in mm. Inches in brackets.
Floor mounting brackets available.



K1, P+ AND K2 (300mm)

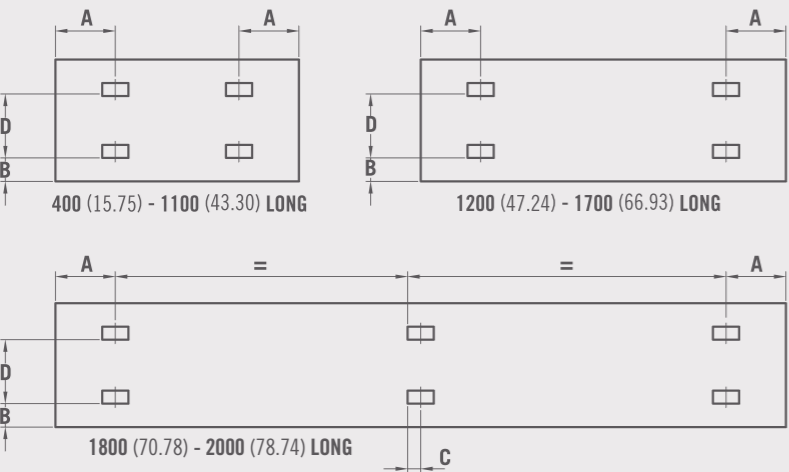
Dimensions	mm	inches	mm	inches	mm	inches	mm	inches
Height	300	11.81	450	17.72	600	23.62	700	27.56
A	65	2.56	65	2.56	65	2.56	65	2.56
B	119	4.69	99	3.90	99	3.90	99	3.90
C	-	-	269	10.59	419	16.50	519	20.43
D	153	6.02	303	11.93	453	17.83	553	21.77
E	185	7.28	335	13.19	485	19.09	585	23.03

Vita Compact

 **Stelrad** Vita Series



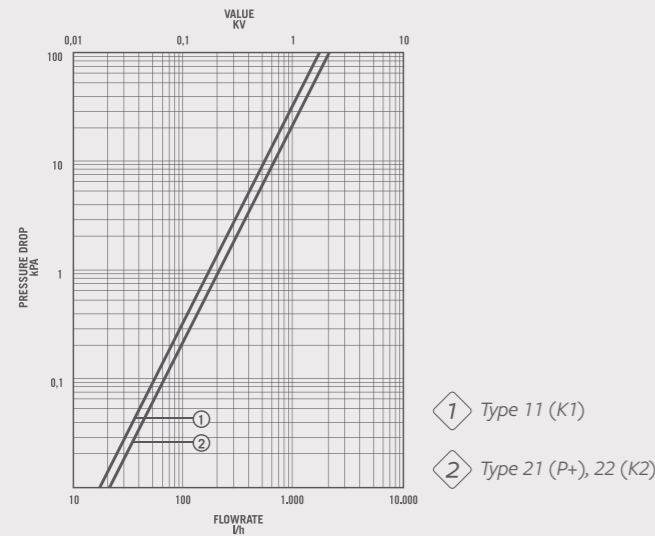
K1, P+ AND K2 LUG POSITION



PANEL HEIGHT				D				K1				P+ & K2			
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
300	11.81	155	6.10	Dimensions				A 400mm	117	4.61	133	5.24			
450	17.72	305	12.01					A 500 - 2000mm	150	5.91	133	5.24			
600	23.62	455	17.91					B 400 - 2000mm	60	2.36	60	2.36			
700	27.56	555	21.95					C 1800 - 2000mm	17	0.67	L/2	L/2			

L/2 is the length divided by two.

PRESSURE DROP



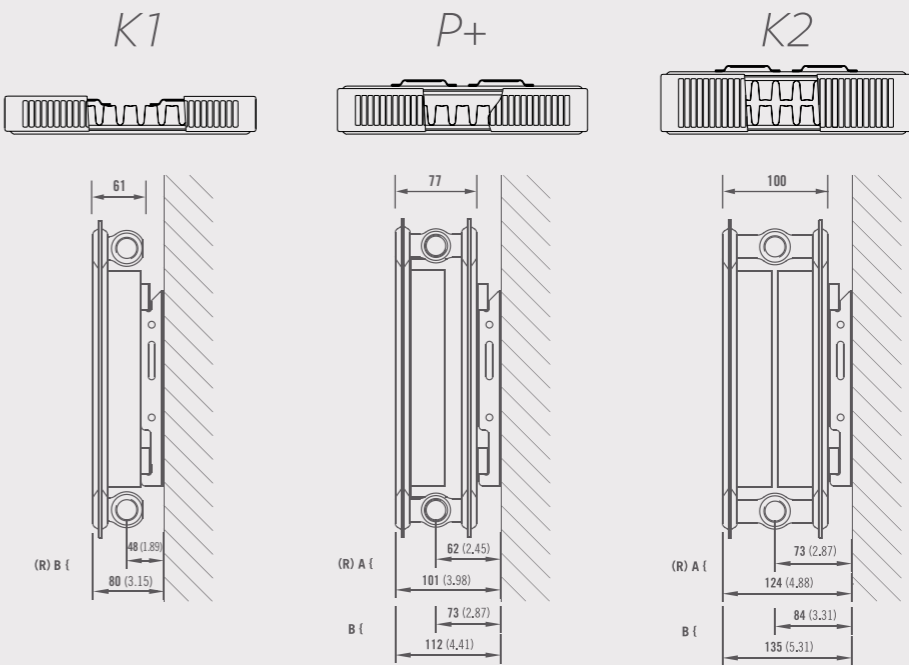
Vita Compact

 **Stelrad** Vita Series



WALL MOUNTING INFORMATION

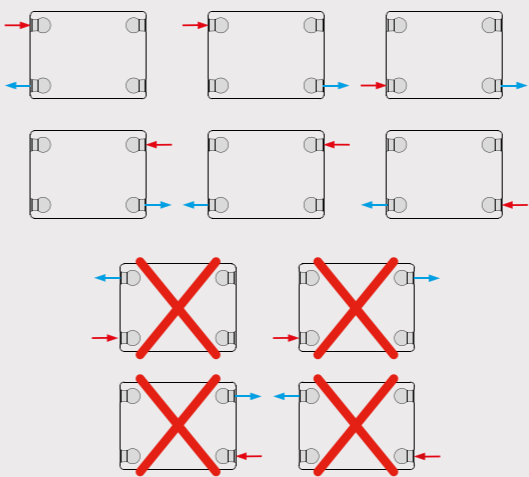
All dimensions in mm. Inches in brackets.



Compact bracket position. A = Closest to wall / B = Furthest from wall / (R) = Recommended mounting position

K1 long only - position B. P+ and K2 can be position A or B.

COMPACT PIPING OPTIONS





K1



Height mm	Length mm	Stelrad UIN 10mm	Angle 10mm	Straight 15mm	Angle 15mm	Heat output Watts Btu/h	Price exc VAT	Price inc VAT
300	1000	843111010S	843111010A	843111015S	843111015A	509 1737	£68.59	£82.31
	400	845110410S	845110410A	845110415S	845110415A	333 1136	£51.95	£62.34
	500	845110510S	845110510A	845110515S	845110515A	417 1423	£54.39	£65.27
500	600	845110610S	845110610A	845110615S	845110615A	500 1706	£55.61	£66.73
	400	846110410S	845110410A	846110415S	846110415A	392 1338	£56.33	£67.60
	500	846110510S	846110510A	846110515S	846110515A	490 1672	£59.27	£71.12
600	600	846110610S	846110610A	846110615S	846110615A	588 2006	£60.73	£72.88

K2



Height mm	Length mm	Stelrad UIN 10mm	Angle 10mm	Straight 15mm	Angle 15mm	Heat output Watts Btu/h	Price exc VAT	Price inc VAT
300	1000	843221010S	843221010A	843221015S	843221015A	933 3183	£91.35	£109.62
	400	845220410S	845220410A	845220415S	845220415A	560 1911	£64.88	£77.86
	500	845220510S	845220510A	845220515S	845220515A	701 2392	£70.48	£84.58
500	600	845220610S	845220610A	845220615S	845220615A	841 2869	£74.84	£89.81
	700	845220710S	845220710A	845220715S	845220715A	981 3347	£78.83	£94.60
	800	845220810S	845220810A	845220815S	845220815A	1121 3825	£81.81	£98.17
	900	845220910S	845220910A	845220915S	845220915A	1261 4303	£86.05	£103.26
	1000	845221010S	845221010A	845221015S	845221015A	1401 4780	£89.79	£107.75
	1200	845221210S	845221210A	845221215S	845221215A	1681 5736	£101.75	£122.10
	1400	845221410S	845221410A	845221415S	845221415A	1961 6691	£122.42	£146.90
	1600	845221610S	845221610A	845221615S	845221615A	2242 7650	£135.63	£162.76
	1800	845221810S	845221810A	845221815S	845221815A	2522 8605	£148.83	£178.60
	2000	845222010S	845222010A	845222015S	845222015A	2802 9560	£211.86	£254.23
600	400	846220410S	846220410A	846220415S	846220415A	647 2208	£71.86	£86.23
	500	846220510S	846220510A	846220515S	846220515A	809 2760	£78.58	£94.30
	600	846220610S	846220610A	846220615S	846220615A	970 3310	£83.80	£100.56
	700	846220710S	846220710A	846220715S	846220715A	1132 3862	£88.59	£106.31
	800	846220810S	846220810A	846220815S	846220815A	1294 4415	£92.19	£110.63
	900	846220910S	846220910A	846220915S	846220915A	1455 4964	£97.26	£116.71
	1000	846221010S	846221010A	846221015S	846221015A	1617 5517	£101.75	£122.10
	1100	846221110S	846221110A	846221115S	846221115A	1779 6070	£108.92	£130.70
	1200	846221210S	846221210A	846221215S	846221215A	1940 6619	£116.09	£139.31
	1400	846221410S	846221410A	846221415S	846221410A	2264 7725	£140.91	£169.09
	1600	846221610S	846221610A	846221615S	846221610A	2587 8827	£156.75	£188.10
	1800	846221810S	846221810A	846221815S	846221810A	2911 9932	£172.59	£207.11
	2000	846222010S	846222010A	846222015S	846222010A	3234 11034	£248.23	£297.88



EN 442 CERTIFICATION DATA - CETIAT TESTED IN ACCORDANCE WITH BS EN 442

Type	K1			K2		
Height	300	500	600	300	500	600
W/m at 75/65/20	509	833	980	933	1401	1617
n-coefficients	1.32	1.30	1.29	1.30	1.30	1.30
Heated surface area (m²/m)	2.09	3.80	4.66	3.51	6.33	7.74
Weight (kg/m)	9.31	16.24	19.70	16.50	27.17	32.50
Water contents (l/m)	1.89	2.80	3.25	3.70	5.83	6.90



Improves energy efficiency and comfort whilst reducing bills.

A radiator that produces more comfort at less cost

The power we use in buildings accounts for 40% of global consumption. And that has a massive impact on the environment. But with smarter energy management, our buildings can emit up to 60% less CO₂. That's something the European Union are moving towards, by making energy consumption standards stricter.

At Stelrad, we believe the heating industry has a major role to play, by developing systems that work so efficiently that they produce more heat at lower temperatures.

That's why we've developed Vita Eco, the energy saving radiator. It produces more radiant heat than traditional radiators - saving energy while raising comfort levels. At less cost to the user, and to the environment.

A radiator that reduces energy bills by up to 10.5%

Your choice of radiator determines how comfortable the heating in your home feels. And how much that comfort costs. You know how a draught free room at 20°C can still feel uncomfortable?

The energy saving radiant heat of the Vita Eco will soon fix that. And with the outstanding energy efficiency delivered by its preset valve, it reduces your bills by up to 10.5%, too.

- Thanks to the controlled flow of our unique direct intake technology, the water in the front panel reaches a temperature up to 50% higher than in a traditional radiator.
- The Vita Eco energy saving radiator reaches its maximum temperature 23% faster than a traditional radiator

- It reaches its optimum performance level while a traditional heater is still heating up
- After only 2 minutes it offers up to 50% more radiant heat
- With higher radiant heat, the feeling of 20°C can be achieved at a lower temperature setting

The Vita Eco energy saving radiator's unique and innovative technology raises comfort levels. And by working more efficiently, it reduces energy bills - with a saving of up to 10.5%.

Raising comfort levels with more radiant heat

Domestic heating is usually based on convection and radiation. With convection heating, hot air rises from the heating elements, cools down, descends via the wall and is heated again. With radiant heating, infrared radiation is sent directly around the room regardless of airflows like wind or draughts.

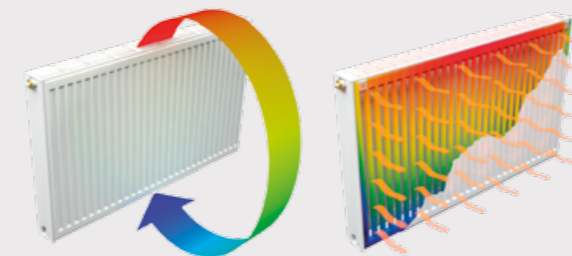
Radiant heat heats up the room, furniture and people, and is reflected back to create a more comfortable feeling similar to the rays of the sun. And standing in the sun always feels much warmer, even if the surrounding temperature is no higher than in the shadow - because it is radiant heat.

A radiator that delivers more heat, more efficiently.

- In a traditional radiator the heat generated consists, on average, of 80% convection heat and 20% radiant heat - limiting the feeling of warmth
- The Vita Eco energy saving radiator increases radiant heat by up to 50%



For further information and advice call 0844 543 6200



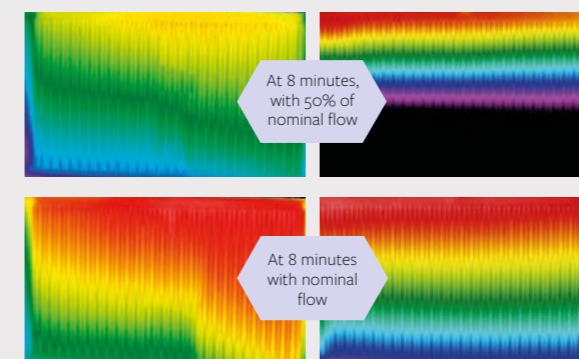
So the comfortable feeling of a room at 20°C is achieved at a setting of 1 degree less (or even lower).

Up to 50% more radiant heat means more comfort - at a lower cost

These thermal images demonstrate the improved radiant heat of the Vita Eco radiator.

The measurements show that the Vita Eco energy saving radiator offers 1.5 times more radiant capacity at 50% of the nominal flow (which offers 90% of the nominal heat output) compared to a traditional radiator.

So depending on the radiator size and type it is compared to, the Vita Eco energy saving radiator offers up to 50% more radiant heat.



Test conditions: radiator K2, height 600mm, length 1000mm, temperatures 70/55/20°C.

Supported by a RIBA & CIBSE CPD programme



Stelrad are certified as a member of the RIBA and CIBSE CPD Providers Network. This means we can provide RIBA and CIBSE approved CPD material to architects and other specifiers. An hour-long programme delivered by a member of the Stelrad team delivers information on every aspect of the Vita Eco energy saving radiator and its application.

Energy savings tested, assessed and declared by Kiwa

Kiwa is a highly respected Pan European institute providing internationally recognized declaration services for systems and products. As an independent expert Kiwa also carries out specialist testing, and the Kiwa Gas Technology division has rigorously trialled the Vita Eco radiator to assess and declared its energy saving performance.

Compatibility

The Vita Eco radiator is compatible with the following:

- Gas boilers
- Electric boilers
- Solar PV
- Ground source heat pumps (GSHP)
- Air source heat pumps (ASHP)
- Biomass installations



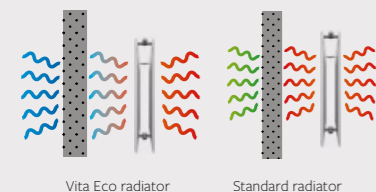
A radiator that heats the room, not the wall

Traditional radiators are as warm at the back as they are at the front. So valuable energy is wasted, as the heat goes into and through the wall.

The unique and innovative technology of the Vita Eco radiator changes all that. The flow connection to the front panel and the return connection into the back ensures that you feel warmer, faster.

And thanks to the higher radiation from the front panel, the back panel is much cooler than with other radiators. So up to 9% less radiant heat is lost through the back of the radiator. That's not just good for comfort levels. It also means the heating system is more efficient, which reduces bills - and CO² emissions.

Less heat lost into the walls



Fully compatible with renewable energy resources



The Vita Eco energy saving radiator is perfectly suited for both solo and multiple heating installations. It can be connected to a modulating gas or fuel burner and is compatible with all kinds of low temperature systems, such as heat pumps, solar cells and biomass installations.

Faster heating means less CO² - and lower energy bills

Higher radiant heat levels and front panel temperatures combine with other benefits to reduce bills and CO² emissions.

Heating up fully in less time

Thanks to its unique flow pattern, heat up times are dramatically shorter for the Vita Eco compared to a traditional radiator.

1. Directed flow

Hot water is directed into and around the front panel. In a traditional radiator the water flow divides in parallel to front and back panel.

2. Distribution of hot water

Hot water rises in one water channel and is distributed equally over the front panel. A unique system then directs it to the back panel where it is spread equally over the back panel water channels.

3. Faster heat up

The front panel of the Vita Eco radiator reaches a temperature of 62.5°C after 8.5 minutes. At that time, the front panel of a traditional radiator is at 59.3°C. It only reaches its maximum temperature after 11 minutes, by which time the Vita Eco has already been operating at maximum for 2.5 minutes.

Fast, convenient and flexible fitting



Angle H Block

Straight H Block with couplings



Simple and quick to connect with Hydro Block (H Block)



Simple and quick to connect with Hydro Block (H Block)

With the 3/4" male thread, the H Block's central connection means you can connect pipes directly to the Vita Eco radiator with additional couplers.

This reduces the risk of leaks and improves the installation speed.

The H Block connects the radiator to the flow and return pipe and has a built-in drain off function, valve isolator and a lock shield for ease of installation and servicing.

- Two H Block configurations are available: with straight connections for pipes coming from the floor or angle connections for pipes coming from the wall.
- The H Block pack also includes a choice of coupling pieces to connect the H Block to the pipes - either 10mm or 15mm

Installers should order a completed unit based on the appropriate H Block variation.

Left or right side valve position

The Vita Eco radiator's valve can be mounted on either the left or right side without having to adjust the supply and return pipes. (K2 only).



Preset thermostatic valve

The thermostatic valve regulates the water supply in the radiator. This valve is preset in the factory according to the radiator's size, which guarantees optimum efficiency.



Central connection

The connection coupling of the Vita Eco is located in the middle of the radiator. This means that the location of the connection no longer depends on the length of the radiator, so pipes can be laid down early in the project with no need to know the size of the radiator.



Thermostatic head with built-in sensor



Technical data

- Setting range 6°C to 28°C (43°F to 82°F)
- Valve stroke limiter
- Setting numbers 1 to 5
- * Frost protection 6°C (43°F)
- Max. sensor temperature 50°C (122°F)
- Hysteresis 0.3 K
- Water temperature influence 0.7 K
- Differential pressure influence 0.3 K
- Closing time 24 minutes

Thermostatic label





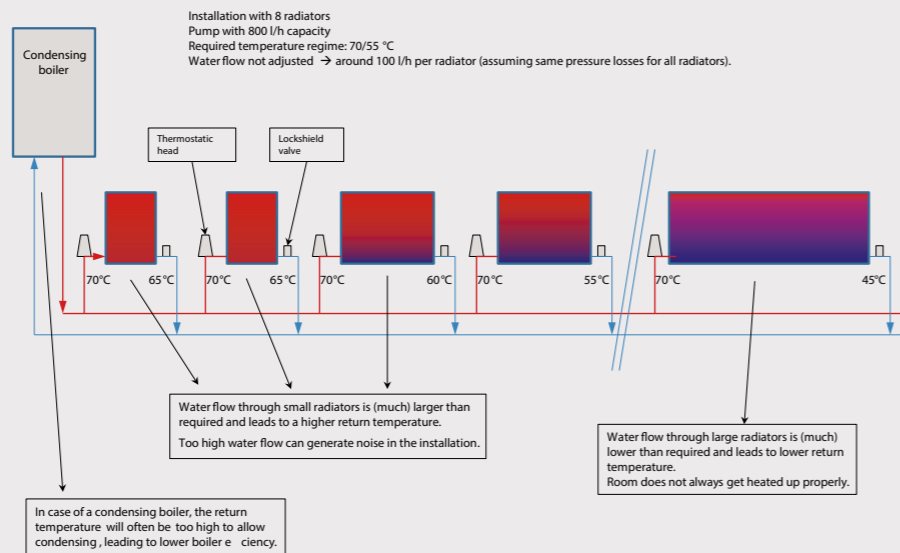
Impacting heating levels - and costs

Example 1 shows the effect of an unbalanced system.

Example 2 shows how more efficient a balanced system is.

Example 1:

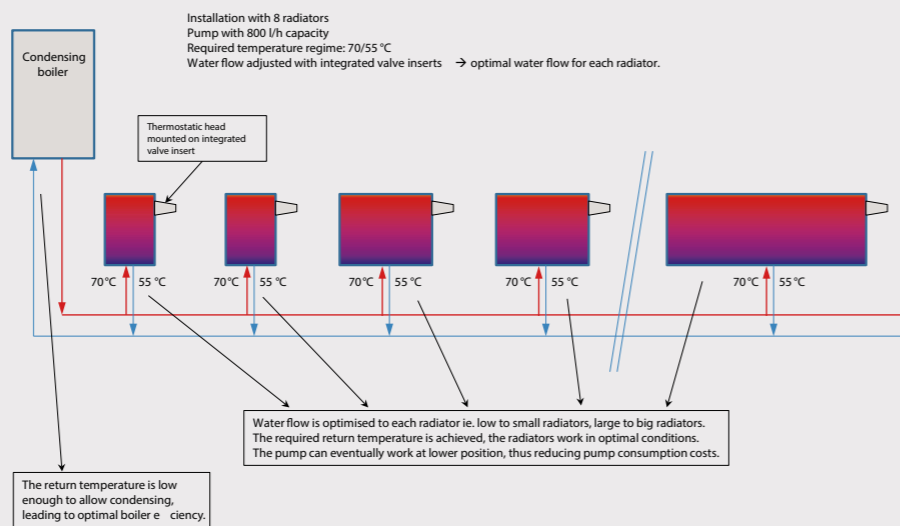
An unbalanced system



To avoid these problems, it is necessary to balance the heating system by adjusting the water flow rate to each radiator. The right flow rate leads to a correct return temperature out of each radiator and, therefore, the correct heat output for each radiator, as illustrated in example 2.

Example 2:

A balanced system



This is why the Vita Eco radiator is delivered with a thermostatic valve that is factory-adjusted according to the radiator size. By doing so, Stelrad help reduce energy costs.



Preset valves - environmentally friendly and energy efficient

Every Vita Eco radiator is equipped with a preset valve, which enhances the efficiency of the system and reduces energy consumption.

This valve is preset in order to control the water flow, producing maximum efficiency at optimum temperature - and is an essential element in the Vita Eco energy saving design.

You can recognise the setting by the coloured valve closure (yellow, white, red, black or blue). The default setting is matched to the heat output of the radiator at system temperatures of both 70/55/20°C and 55/45/20°C.

The benefits

- No extra adjustment time during installation
- Optimal water flow in the radiator
- Higher efficiency of the condensing boiler through lower return temperatures
- Environmentally friendly
- Lower energy costs
- Compliance with Rule EnEV for hydraulic balance

Height	300		500		600	
Type	K1	K2	K1	K2	K1	K2
400			5.5	5.5	5.5	5.5
500	5.5	5.5	5.5	5.5	5.5	2.5
600			5.5	2.5	5.5	2.5
700			5.5	2.5	5.5	2.5
800			5.5	2.5	2.5	2.5
900			2.5	2.5	2.5	2.5
1000	5.5	2.5	2.5	2.5	2.5	4.5
1100			2.5		2.5	4.5
1200			2.5	4.5	2.5	4.5
1400			2.5	4.5	2.5	6
1600	2.5	2.5	2.5	6	4.5	8
1800			2.5	6	4.5	8
2000	2.5	4.5	4.5	8	4.5	8



Factory presetting conditions: - heat outputs at 70/55/20°C ($\Delta t = 15^\circ\text{C}$) - pressure drop $\Delta p = 100\text{mbar}$

For other system conditions, the valve can be readjusted (or replaced) according to preset tables 4360 and 4361 (using preset key - part of the hardware pack).

In one pipe systems the valve must be fully opened (position 8).



Valve re-adjustment

Fine tuning valve 4361

Max. 2 K presetting										4361																						
\dot{Q} [W]		200	250	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4800	5300	6500	6800	7200	
Δt [K]	Δp [mbar]																															
10	50	3	5	6	7	8	8																									
	100	1	3	4	5	6	7	8	8	8																						
	150	1	1	3	4	6	6	7	7	8	8																					
15	50	1	3	3	5	6	7	7	8	8	8																					
	100	1	1	1	3	5	5	6	6	7	8	8	8																			
	150	1	1	1	1	3	4	5	6	6	6	7	8	8																		
20	50	1	1	1	3	5	6	6	7	7	8	8																				
	100	1	1	1	1	3	4	5	5	6	6	7	8	8	8																	
	150	1	1	1	1	1	3	3	4	5	6	6	7	7	8	8	8															
40	50	1	1	1	1	1	1	3	3	4	5	6	6	7	7	8	8	8	8													
	100				1	1	1	1	1	3	3	4	5	5	6	6	6	7	7	8	8											
	150					1	1	1	1	1	1	3	3	4	5	6	6	6	6	7	7	8	8	8	8	8	8					
100 mbar = 10kPa = 1mWS																																

Example:

- Target: presetting
- Given:
 - Vita Eco radiator: K1, Height 600, Length 700
 - factory fitted valve: 4361 - preset: 5.5
 - at 75/65/20°C
 - 776 Watt
 - Δt = 10°C (=75-65)
 - pressure drop: Δp = 100mbar
 - selected tuning range: - 2K (see table)
- Solution: presetting according to table 4361: 8

Valve needs to be re-adjusted to setting 8



Valve re-adjustment

Standard valve 4360

Max. 2 K presetting															4360																	
Q̇ [W]	200	250	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4800	5300	6500	6800	7200		
Δt [K]	Δp [mbar]																															
10	50	1	1	1	2	2	3	3	3	4	5	5	6	7	8																	
	100	1	1	1	1	2	2	2	2	3	3	4	5	5	6	6	7	7	8													
	150	1	1	1	1	1	2	2	2	2	3	3	4	4	5	5	6	6	7	7	8	8										
15	50	1	1	1	1	2	2	2	2	3	3	4	5	5	6	6	7	7	8	8												
	100	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	5	5	6	6	6	7	7	8	8							
	150	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	4	4	5	5	5	6	6	6	6	7	8					
20	50	1	1	1	1	1	2	2	2	2	3	3	3	4	5	5	5	6	6	7	7	7	8	8								
	100	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	5	5	5	5	6	6	6	6	7	8				
	150	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	7	8			
40	50	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	4	4	4	5	5	6	7	7	8	
	100	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	4	4	5	5	6	
	150	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	4	4	5	
100 mbar = 10kPa = 1mWS																																

Example:

- Target: presetting
- Given:
 - Vita Eco radiator: K2, Height 600, Length 1200
 - factory fitted valve: 4360 - preset: 4.5
 - 60/40/20°C
 - 997 Watt
 - pressure drop: Δp = 100mbar
 - selected tuning range: - 2K (see table)
- SOLUTION: PRESETTING ACCORDING TO TABLE 4360: "2"





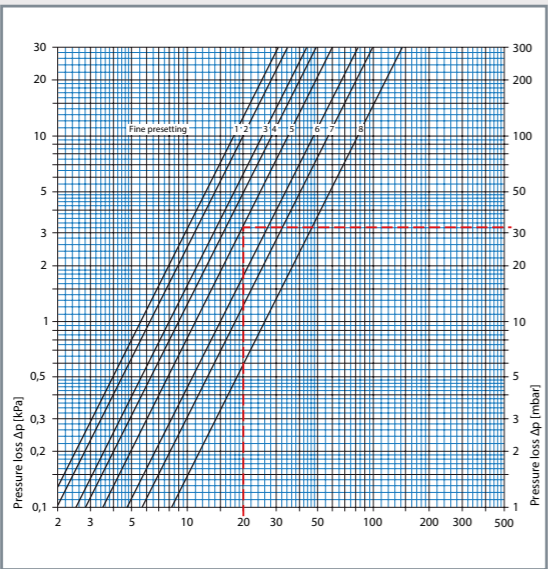
Pressure drop diagram

Fine tuning valve 4361

Radiators without connection accessories

Information s Heimeier

p-band [xp] 2,0 K



Radiator with integrated valves without connection fitting			Fine presetting								Permissible operating temperature TB ^{*)} [°C]	Permissible operating pressure PB [bar]	Permissible differential pressure at which the valve still closes Δp [bar]		
			Thermostatic insert										Therm. head	EMO T/NC EMOrec/NC EMO 1/3 EMO EB/LON	EMO T/NO EMOrec/NO
Thermostatic insert and thermostatic head	p-band	K _V -Value [m³/h]	0,05	0,06	0,07	0,08	0,10	0,11	0,12	0,14	120	10	4,0	2,7	3,5
	p-band xp 2,0 K	K _V -Value [m³/h]	0,06	0,06	0,08	0,09	0,11	0,15	0,18	0,26					
		k _{VS} -Value [m³/h]	0,06	0,07	0,08	0,10	0,12	0,17	0,25	0,50					
		Flow tolerance ± [%]	42	42	37	36	35	32	30	10					

*) With protective cap or actuator 100°C

Calculation example

Target:	Setting range	
Given:	Heat flow Temperature spread Pressure loss, radiator, with integrated valves	$\dot{Q} = 350 \text{ W}$ $\Delta t = 15 \text{ K (65/50 °C)}$ $\Delta p_v = 32 \text{ mbar}$
Solution:	Mass flow rate	$\dot{m} = \frac{\dot{Q}}{c \cdot \Delta t} = \frac{350}{1,163 \cdot 15} = 20 \text{ kg/h}$



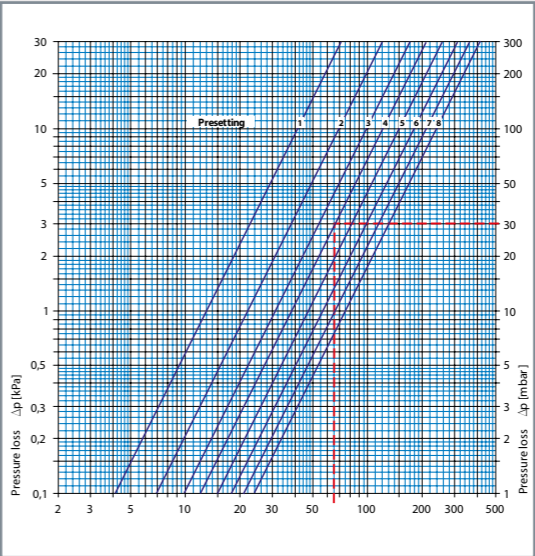
Pressure drop diagram

Standard valve 4360

Radiators without connection accessories

Information supplied by Heimeier

p-band[xp] 2,0 K



Radiator with integrated valves without connection fitting			Presetting Thermostatic insert								Permissible operating temperature TB ^{*)} [°C]	Permissible operating pressure PB [bar]	Permissible differential pressure at which the valve still closes p [bar]		
			1	2	3	4	5	6	7	8			Therm. head	EMO T/NC EMOtec/NC EMO 1/3 EMO EIB/LON	EMO T/NC EMOtec/NO
Thermostatic insert and thermostatic head	p-band	K _V value [m³/h]	0,12	0,19	0,24	0,28	0,33	0,37	0,39	0,40	120	10	4,0	2,7	3,5
	p-band xp2,0 K	K _V value [m³/h]	0,13	0,22	0,31	0,38	0,47	0,57	0,66	0,75					
		k _{VS} value [m³/h]	0,16	0,27	0,38	0,43	0,65	0,98	1,23	1,43					
		Flow tolerance ± [%]	40	30	25	23	17	15	12	10					

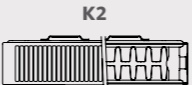
*) With protective cap or actuator 100 °C.

Calculation example

Target:	Setting range	
Given:	Heat flow Temperature spread Pressure loss, radiator with integrated valves	$\dot{Q} = 1135 \text{ W}$ $\Delta t = 15 \text{ K (65/50 °C)}$ $\Delta p_v = 30 \text{ mbar}$
Solution:	Mass flow rate	$\dot{m} = \frac{\dot{Q}}{c \cdot \Delta t} = \frac{1135}{1,163 \cdot 15} = 65 \text{ kg/h}$



50 Δt
(75/65/20°C)



Height mm	Length mm	Straight 10mm UIN	Angle 10mm UIN	Straight 15mm UIN	Angle 15mm UIN	Heat output Watts Btu/hr		Straight 10mm UIN	Angle 10mm UIN	Straight 15mm UIN	Angle 15mm UIN	Heat output Watts Btu/hr	
300	1000	33111010S	33111010A	33111015S	33111015A	509	1737	33221010S	33221010A	33221015S	33221015A	933	3183
500	400	35110410S	35110410A	35110415S	35110415A	333	1136	35220410S	35220410A	35220415S	35220415A	560	1911
	500	35110510S	35110510A	35110515S	35110515A	417	1423	35220510S	35220510A	35220515S	35220515A	701	2392
	600	35110610S	35110610A	35110615S	35110615A	500	1706	35220610S	35220610A	35220615S	35220615A	841	2869
	700	-	-	-	-	-	-	35220710S	35220710A	35220715S	35220715A	981	3347
	800	-	-	-	-	-	-	35220810S	35220810A	35220815S	35220815A	1121	3825
	900	-	-	-	-	-	-	35220910S	35220910A	35220915S	35220915A	1261	4303
	1000	-	-	-	-	-	-	35221010S	35221010A	35221015S	35221015A	1401	4780
	1200	-	-	-	-	-	-	35221210S	35221210A	35221215S	35221215A	1681	5736
	1400	-	-	-	-	-	-	35221410S	35221410A	35221415S	35221415A	1961	6691
	1600	-	-	-	-	-	-	35221610S	35221610A	35221615S	35221615A	2242	7650
600	1800	-	-	-	-	-	-	35221810S	35221810A	35221815S	35221815A	2522	8605
	2000	-	-	-	-	-	-	35222010S	35222010A	35222015S	35222015A	2802	9560
	400	36110410S	36110410A	36110415S	36110415A	392	1338	36220410S	36220410A	36220415S	36220415A	647	2208
	500	36110510S	36110510A	36110515S	36110515A	490	1672	36220510S	36220510A	36220515S	36220515A	809	2760
	600	36110610S	36110610A	36110615S	36110615A	588	2006	36220610S	36220610A	36220615S	36220615A	970	3310
	700	-	-	-	-	-	-	36220710S	36220710A	36220715S	36220715A	1132	3862
	800	-	-	-	-	-	-	36220810S	36220810A	36220815S	36220815A	1294	4415
	900	-	-	-	-	-	-	36220910S	36220910A	36220915S	36220915A	1455	4964
	1000	-	-	-	-	-	-	36221010S	36221010A	36221015S	36221015A	1617	5517
	1100	-	-	-	-	-	-	36221110S	36221110A	36221115S	36221115A	1779	6070
	1200	-	-	-	-	-	-	36221210S	36221210A	36221215S	36221215A	1940	6619
	1400	-	-	-	-	-	-	36221410S	36221410A	36221415S	36221415A	2264	7725
	1600	-	-	-	-	-	-	36221610S	36221610A	36221615S	36221615A	2587	8827
	1800	-	-	-	-	-	-	36221810S	36221810A	36221815S	36221815A	2911	9932
	2000	-	-	-	-	-	-	36222010S	36222010A	36222015S	36222015A	3234	11034

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

Each code includes the radiator of choice, with a hydro block and coupling piece.

2 hydro blocks are available; either straight configuration for pipes coming from the floor or angle configuration for pipes coming from the wall. 2 coupling pieces are available, either 10mm or 15mm to connect the H Block to flow and return pipe.

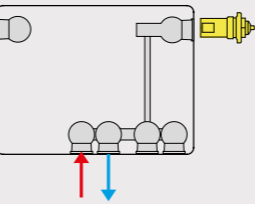
EN 442 CERTIFICATION DATA - CETIAT TESTED IN ACCORDANCE WITH BS EN 442

Type	K1			K2		
Casing height	300	500	600	300	500	600
W/m at 75/65/20	509	833	980	933	1401	1617
n-coefficients	1.32	1.30	1.29	1.30	1.30	1.30
Heated surface area (m ² /m)	2.09	3.80	4.66	3.51	6.33	7.74
Weight (kg/m)	9.31	16.24	19.70	16.50	27.17	32.50
Water contents (l/m)	1.89	2.80	3.25	3.70	5.83	6.90

SIMPLE AND EFFICIENT INSTALLATION
ACROSS THE WHOLE SYSTEM.

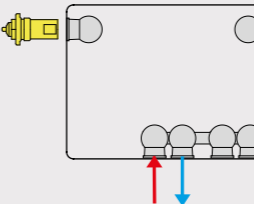
K1

K1 - right

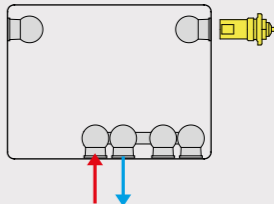


K2

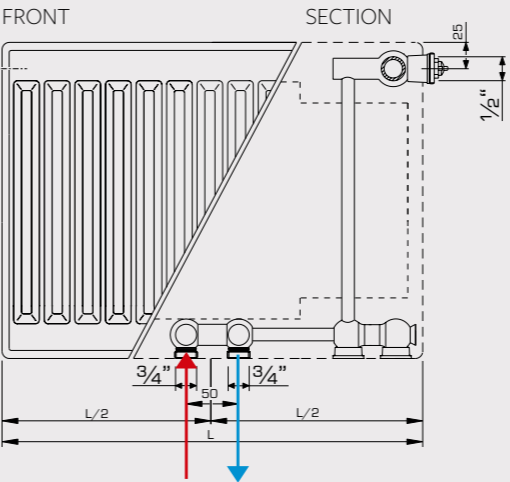
K2 - left



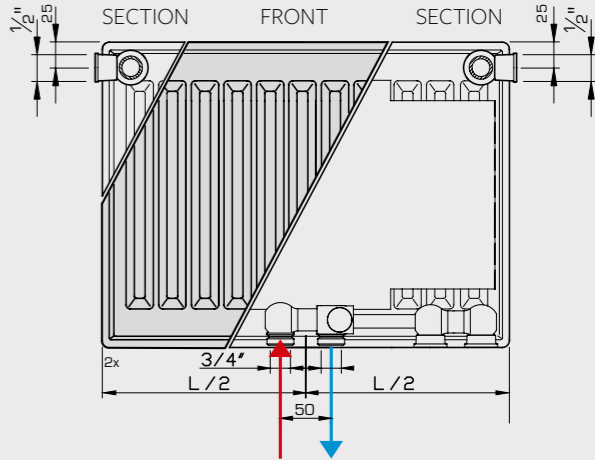
K3 - right



K1 FRONT ELEVATION



K2 FRONT ELEVATION

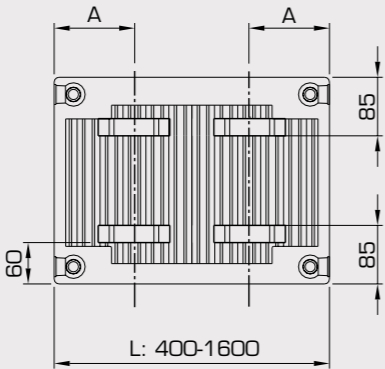


Radiator on short bracket side		Radiator on long bracket side	
K1 (T11)	K2 (T22)	K1 (T11)	K2 (T22)
83 61	124 100	94 61	135 100
51	73	62	84



K1

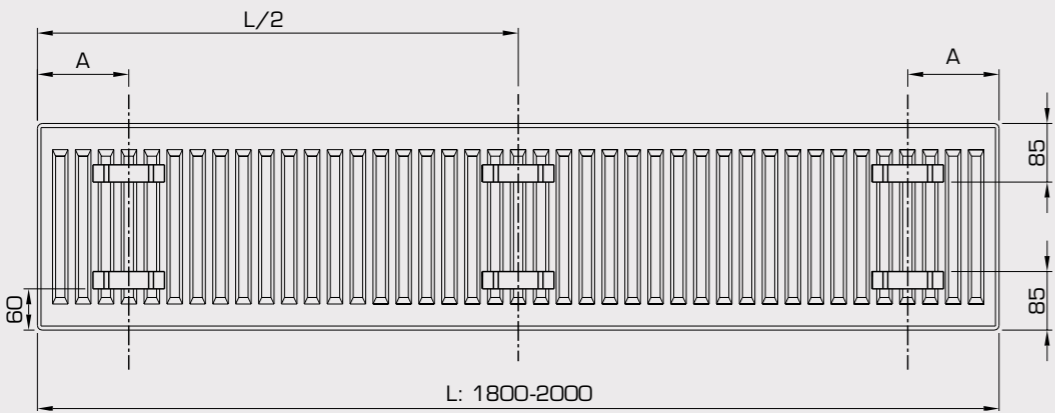
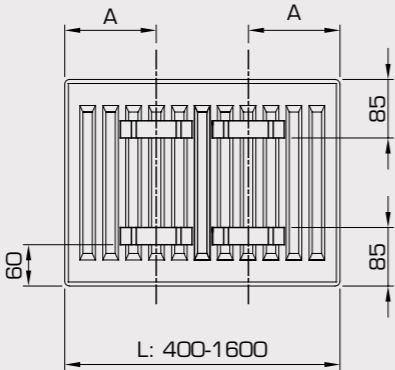
L mm	A mm
400	117
500 - 1100	150



K2

L mm	A mm
400	133
500 - 1100	150
1200 - 1600	267
1800 - 2000**	267**

**3rd lug in radiator centre
(half length)



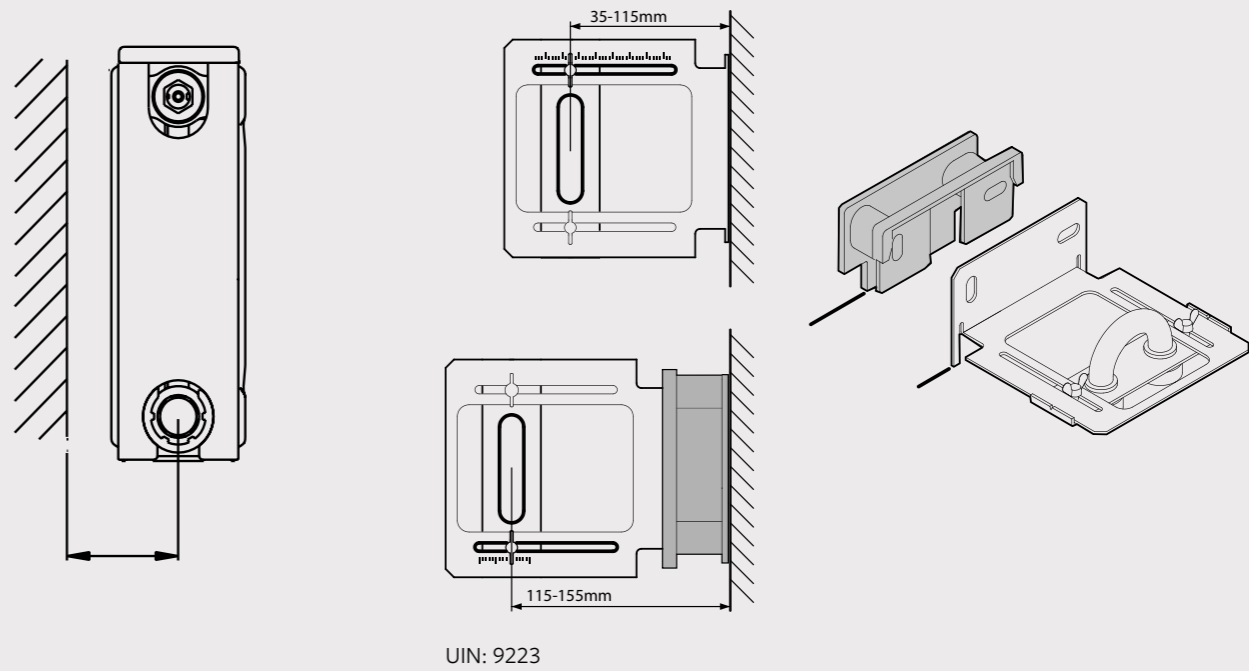
Vita Eco mounting template

Using the mounting template for the bottom connection of Eco radiators offers important advantages during the installation, e.g. leak testing the system without a mounted radiator.

The mounting template replaces the radiator during the installation, which reduces the total installing cost. Finishing tasks such as painting, tiling and applying wallpaper no longer require the removal and remounting of the radiator.

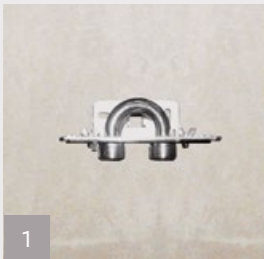
The radiator is mounted after all the finishing work, which guarantees a pristine condition on commissioning.

The mounting template consists of a bridging piece with 2 connections of $\frac{3}{4}$ " external thread on a centre distance of 50mm. As the wall distance depends on the radiator type, the mounting template offers multiple positions according to the available brackets.





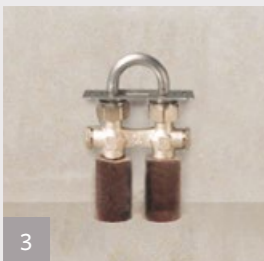
Vita Eco mounting template



To mount the template on the wall, the plumbing should have the correct wall distance.



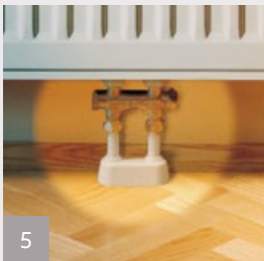
Connect the plumbing to the template and conduct the leak test.



Once the concrete floor is finished the L-shaped part (and the extension) can be removed in order to paint, tile, to apply wallpaper.
ATTENTION: the bridging part must remain on the plumbing to prevent pollution of the tubes.



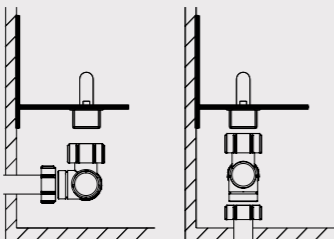
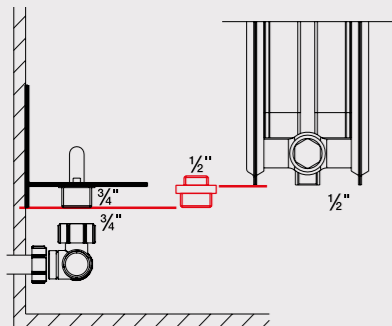
Mount the brackets against the wall and remove the bridging part before the radiator can be installed. Note: Brackets should be mounted before removal of the bridging part, to eliminate any possibility of pollution.



ATTENTION: the mounting template has a 3/4 inch ext eurocone thread, for radiators with a 1/2 inch INT bottom connection, a 1/2 inch EXT x 3/4 inch EXT piece is necessary.

FOR 1/2" INT - BOTTOM CONNECTION (RIGHT, CENTRE OR LEFT)

The mounting template can be used for tubes coming from the floor, as well as for tubes coming from the wall.

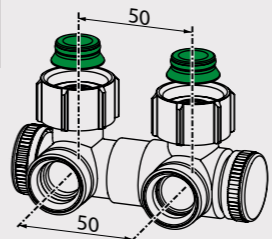


Vita Eco Hydro Block connections

2-pipe connections for bottom connection (3/4 inch EXT Eurocone or 1/2 inch INT):

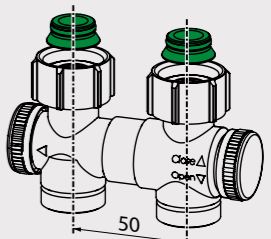
- Lock function
- Straight or angular version
- Maximum operating temperature: 90°C
- Casing in white high performance plastic (similar to RAL 9016)
- Maximum operating pressure: 6 bar

UIN: 10mm 363000210A
UIN: 15mm 363000215A
- angular version
- with drain



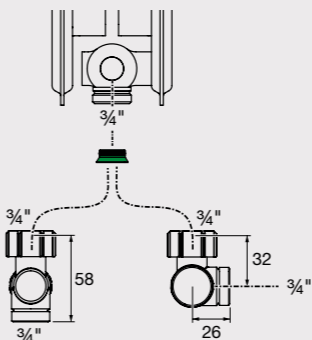
- not included
- parts unlock drain function

UIN: 10mm 363000210S
UIN: 15mm 363000215S
- straight version
- with drain



- not included
- parts unlock drain function

For 3/4" EXT Eurocone bottom connection (centre):



Vita Deco



50 Δt
(75/65/20°C)

K1



K2



	Height mm	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT
300		500	82301105	235 802	£31.60	£37.92	500	82302205	465 1587	£47.10	£56.52
		1000	82301110	469 1601	£51.56	£61.87	1000	82302210	929 3171	£81.96	£98.35
		1500	82301115	704 2401	£73.34	£88.01	1500	82302215	1394 4756	£125.92	£151.10
450		400	82451104	268 915	£32.26	£38.71	400	82452204	500 1705	£51.26	£61.51
		600	82451106	403 1376	£37.64	£45.17	600	82452206	750 2559	£65.90	£79.08
		800	82451108	537 1834	£50.18	£60.22	800	82452208	999 3410	£76.14	£91.37
		1000	82451110	672 2292	£62.72	£75.26	1000	82452210	1249 4262	£87.86	£105.43
		1200	82451112	806 2751	£75.26	£90.31	1200	82452212	1499 5114	£105.44	£126.53
		1400	82451114	941 3209	£87.82	£105.38	1400	82452214	1749 5967	£135.82	£162.98
		1600	82451116	1075 3668	£100.36	£120.43	1600	82452216	1999 6819	£155.22	£186.26
600		1800	82451118	1209 4126	£122.58	£147.10	1800	82452218	2248 7672	£174.64	£209.57
		400	82601104	348 1188	£35.18	£42.22	400	82602204	640 2184	£55.92	£67.10
		600	82601106	522 1782	£41.06	£49.27	600	82602206	961 3280	£71.88	£86.26
		800	82601108	696 2375	£54.74	£65.69	800	82602208	1281 4372	£83.08	£99.70
		1000	82601110	870 2969	£68.42	£82.10	1000	82602210	1601 5464	£95.86	£115.03
		1200	82601112	1044 3563	£82.10	£98.52	1200	82602212	1921 6556	£115.02	£138.02
		1400	82601114	1218 4157	£95.80	£114.96	1400	82602214	2242 7649	£148.18	£177.82
		1600	82601116	1392 4751	£109.48	£131.38	1600	82602216	2563 8744	£169.34	£203.21
		1800	82601118	1566 5345	£133.72	£160.46	1800	82602218	2883 9836	£190.50	£228.60
		2000	82601120	1740 5939	£137.16	£164.59	2000	82602220	3203 10928	£291.56	£349.87

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

EN 442 CERTIFICATION DATA - CETIAT TESTED IN ACCORDANCE WITH BS EN 442

Type	K1			K2		
Height	300	450	600	300	450	600
W/m at 75/65/20	470	681	870	898	1273	1601
n-coefficients	1.26	1.28	1.28	1.30	1.31	1.31
Heated surface area (m²/m)	2.09	3.37	4.66	3.51	5.62	7.74
Weight (kg/m)	14.13	18.22	24.27	19.30	28.85	38.40
Water contents (l/m)	1.81	2.53	3.23	3.10	4.65	6.20
Wall to tap centre (mm)	54	54	54	76	76	76

Vita Plan



50 Δt
(75/65/20°C)

K1



K2



	Height mm	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT	Length mm	Stelrad UIN	Heat output Watts Btu/h	Price exc VAT	Price inc VAT
300		500	81301105	235 802	£47.40	£56.88	500	81302205	465 1587	£70.65	£84.78
		1000	81301110	469 1601	£77.34	£92.81	1000	81302210	929 3171	£122.94	£147.53
		1500	81301115	704 2401	£110.01	£132.01	1500	81302215	1394 4756	£188.88	£226.66
450		400	81451104	268 915	£48.39	£58.07	400	81452204	500 1705	£76.89	£92.27
		600	81451106	403 1376	£56.46	£67.75	600	81452206	750 2559	£98.85	£118.62
		800	81451108	537 1834	£75.27	£90.32	800	81452208	999 3410	£114.21	£137.05
		1000	81451110	672 2292	£94.08	£112.90	1000	81452210	1249 4262	£131.79	£158.15
		1200	81451112	806 2751	£112.89	£135.47	1200	81452212	1499 5114	£158.16	£189.79
		1400	81451114	941 3209	£131.73	£158.08	1400	81452214	1749 5967	£203.73	£244.48
		1600	81451116	1075 3668	£150.54	£180.65	1600	81452216	1999 6819	£232.83	£279.40
600		1800	81451118	1209 4126	£183.87	£220.64	1800	81452218	2248 7672	£261.96	£314.35
		400	81601104	348 1188	£52.77	£63.32	400	81602204	640 2184	£83.88	£100.66
		600	81601106	522 1782	£61.59	£73.91	600	81602206	961 3280	£107.82	£129.38
		800	81601108	696 2375	£82.11	£98.53	800	81602208	1281 4372	£124.62	£149.54
		1000	81601110	870 2969	£102.63	£123.16	1000	81602210	1601 5464	£143.79	£172.55
		1200	81601112	1044 3563	£123.15	£147.78	1200	81602212	1921 6556	£172.53	£207.04
		1400	81601114	1218 4157	£143.70	£172.44	1400	81602214	2242 7649	£222.27	£266.72
		1600	81601116	1392 4751	£164.22	£197.06	1600	81602216	2563 8744	£254.01	£304.81
		1800	81601118	1566 5345	£200.58	£240.70	1800	81602218	2883 9836	£285.75	£342.90
		2000	81601120	1740 5939	£205.74	£246.89	2000	81602220	3203 10928	£437.34	£524.81

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

EN 442 CERTIFICATION DATA - CETIAT TESTED IN ACCORDANCE WITH BS EN 442

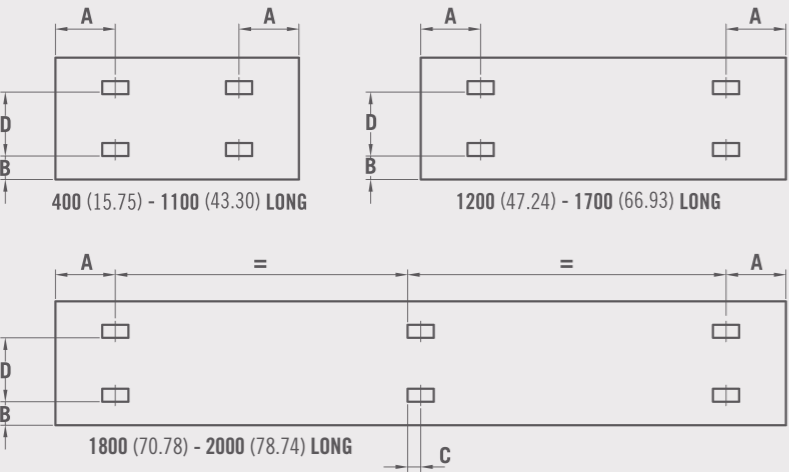
Type	K1			K2		
Height	300	450	600	300	450	600
W/m at 75/65/20	470	681	870	898	1273	1601
n-coefficients	1.26	1.28	1.28	1.30	1.31	1.31
Heated surface area (m²/m)	2.09	3.37	4.66	3.51	5.62	7.74
Weight (kg/m)	14.13	18.22	24.27	19.30	28.85	38.40
Water contents (l/m)	1.81	2.53	3.23	3.10	4.65	6.20
Wall to tap centre (mm)	54	54	54	76	76	76

Vita Deco and Vita Plan



K1 & K2 LUG POSITIONS (New as of June 2016).

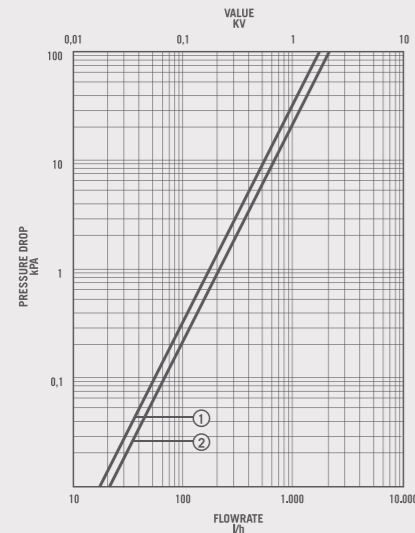
All dimensions in mm. Inches in brackets.



PANEL HEIGHT				D		K1			K2	
mm	in	mm	in			Dimensions	mm	in	mm	in
300	11.81	155	6.10			A 400mm	117	4.61	133	5.24
450	17.72	305	12.01			A 500 - 2000mm	150	5.91	133	5.24
600	23.62	455	17.91			B 400 - 2000mm	60	2.36	60	2.36
700	27.56	555	21.95			C 1800 - 2000mm	17	0.67	L/2	L/2

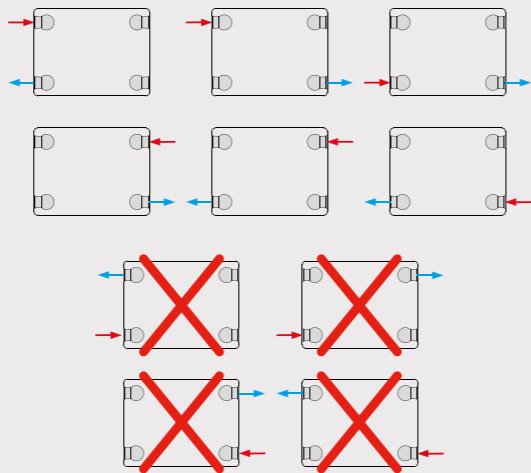
L/2 is the length divided by two.

PRESSURE DROP



- 1 Type 11 (K1)
- 2 Type 22 (K2)

PIPING OPTIONS

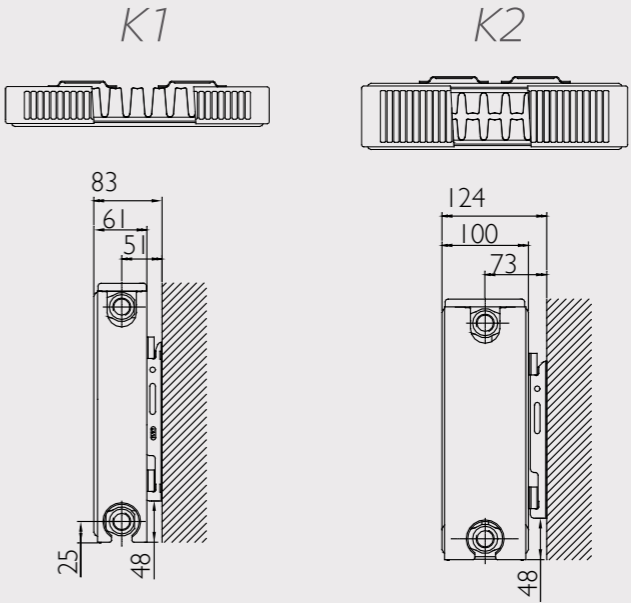


Vita Deco and Vita Plan



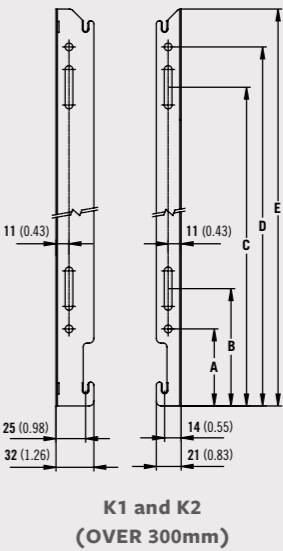
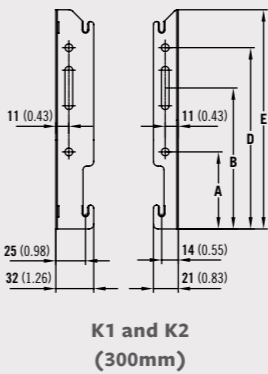
WALL MOUNTING INFORMATION

All dimensions in mm. Inches in brackets.



MOUNTING BRACKETS

All dimensions in mm. Inches in brackets. Floor mounting brackets available.



Dimensions	mm	inches	mm	inches	mm	inches
Height	300	11.81	450	17.72	600	23.62
A	65	2.56	65	2.56	65	2.56
B	119	4.69	99	3.90	99	3.90
C	-	-	269	10.59	419	16.50
D	153	6.02	303	11.93	453	17.83
E	185	7.28	335	13.19	485	19.09



50 Δt
(75/65/20°C)



Height mm	Length mm	Stelrad UIN	Heat output Watts	Btu/h	Price exc VAT	Price inc VAT	Length mm	Stelrad UIN	Heat output Watts	Btu/h	Price exc VAT	Price inc VAT
500	-	-	-	-	-	-	400	83502204	410	1398	£116.50	£139.80
	-	-	-	-	-	-	600	83502206	614	2096	£149.75	£179.70
	-	-	-	-	-	-	800	83502208	819	2795	£173.05	£207.66
	-	-	-	-	-	-	1000	83502210	1024	3494	£199.70	£239.64
	-	-	-	-	-	-	1200	83502212	1229	4193	£239.65	£287.58
	-	-	-	-	-	-	1400	83502214	1434	4892	£308.70	£370.44
	-	-	-	-	-	-	1600	83502216	1638	5590	£352.80	£423.36
	-	-	-	-	-	-	1800	83502218	1843	6289	£396.90	£476.28
600	-	-	-	-	-	-	2000	83502220	2048	6988	£607.40	£728.88
	400	83602104	474	1616	£117.50	£141.00	400	83602204	640	2184	£139.80	£167.76
	600	83602106	710	2424	£152.30	£182.76	600	83602206	961	3280	£179.70	£215.64
	800	83602108	947	3232	£187.10	£224.52	800	83602208	1281	4372	£207.70	£249.24
	1000	83602110	1184	4040	£233.90	£280.68	1000	83602210	1601	5464	£239.65	£287.58
	1200	83602112	1421	4848	£280.65	£336.78	1200	83602212	1921	6556	£287.55	£345.06
	1400	83602114	1658	5656	£327.45	£392.94	1400	83602214	2242	7649	£370.45	£444.54
	1600	83602116	1894	6464	£374.25	£449.10	1600	83602216	2563	8744	£423.35	£508.02
	1800	83602118	2131	7272	£506.25	£607.50	1800	83602218	2883	9836	£476.25	£571.50
	2000	83602120	2368	8080	£556.30	£667.56	2000	83602220	3203	10928	£728.90	£874.68

Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

Ultra is available in 35 colours. See the colour chart which can be found on page 248.
Pictured below: Vita Ultra in pale blue. Product is made to order and is on a 6 week lead time.

VITA ULTRA TOWEL RAIL BAR



TOWEL RAIL BAR	STELRAD UIN
400mm wide	83100004
600mm wide	83100006
800mm wide	83100008
1000mm wide	83100010

For further assistance on colour option UINs and prices, please contact the sales admin team on 0844 543 6200.

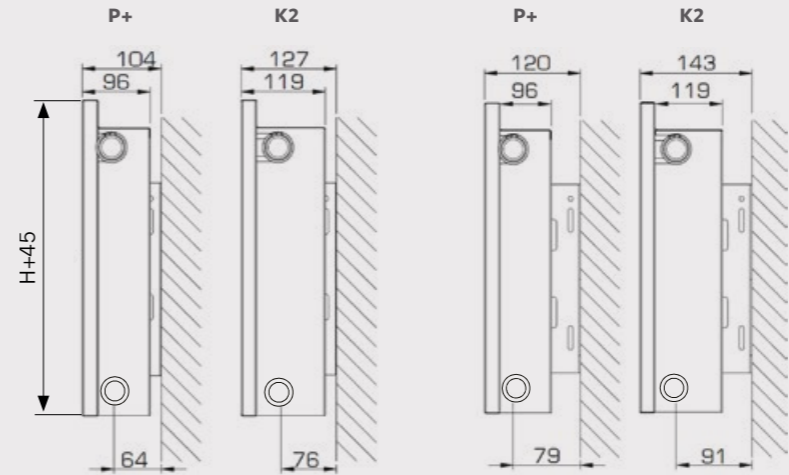


EN 442 CERTIFICATION DATA - CETIAT TESTED IN ACCORDANCE WITH BS EN 442

Type	P+		K2	
Height	500	600	500	600
W/m at 75/65/20	1024	1339	1304	1498
n-coefficients	12966	13086	12908	12999
Heated surface area (m²/m)	431	618	492	774
Weight (kg/m)	2931	4005	26.67	3880
Water contents (l/m)	580	757	477	690

MOUNTING INFORMATION

All dimensions in mm. Inches in brackets.

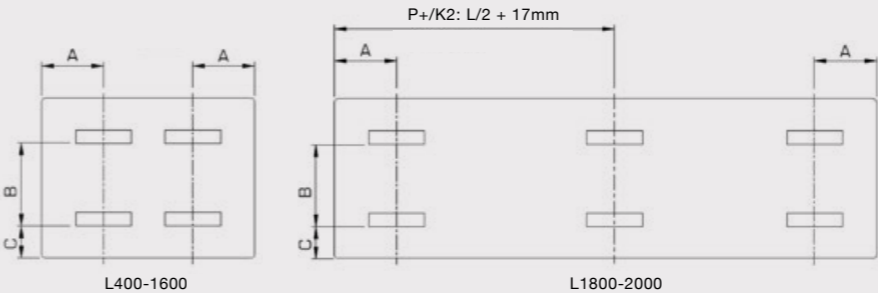


Mounting on short side of L-bracket

Mounting on long side of L-bracket

P+ AND K2 LUGS POSITIONS

All dimensions in mm. Inches in brackets.



Length	A P+/K2	H	B	C
1200 - 1600	133	-	-	-
500 - 1100mm	133	500	305	60
1200 - 1600	267	600	455	60
1800 - 2000	267	-	-	-

Above positions are with respect to the edge of the emitter, not the front panel.

NEW

Vita Compact Vertical

 **Stelrad** Vita Series

50 Δt
(75/65/20°C)



Height mm	Length mm	Sections	Stelrad UIN	Heat output Watts	Btu/h	Price exc VAT	Price inc VAT
1800	400	12	89121418	1584	5405	£137.05	£164.46
	500	15	89122518	1980	6756	£150.66	£180.79
	600	18	89122618	2376	8107	£164.91	£197.89

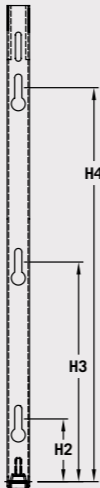
Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

EN 442 CERTIFICATION DATA - CETIAT TESTED
IN ACCORDANCE WITH BS EN 442

Type	K2
Height	1800
W/m at 75/65/20	3960
n-coefficients	1.33
Heated surface area (m²/m)	29.90
Weight (kg/m)	88.80
Water contents (l/m)	16.20
Wall to tap centre (mm)	65
Ku	21.70

MOUNTING BRACKETS

Height		H2		H3		H4	
mm	inches	mm	inches	mm	inches	mm	inches
1800	70.87	70	2.75	830	43.89	1590	63.58

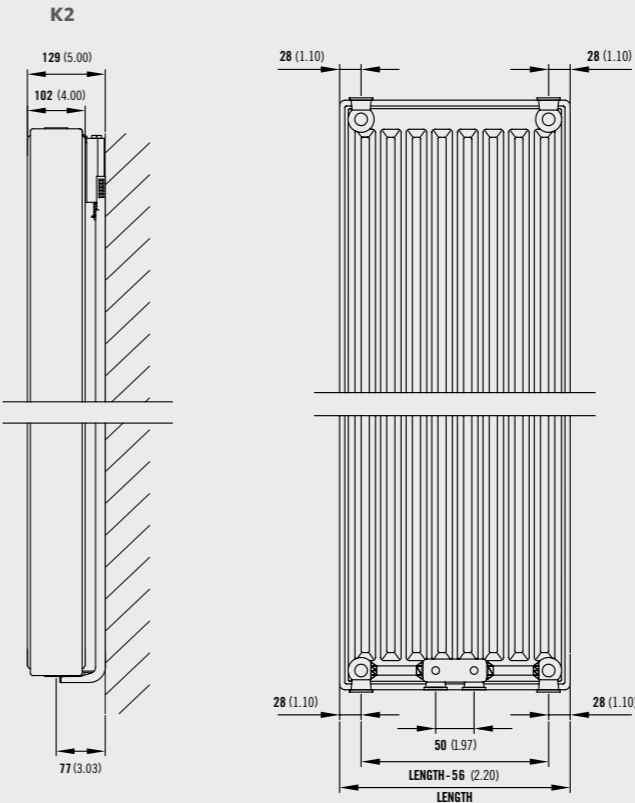


NEW

Vita Compact Vertical

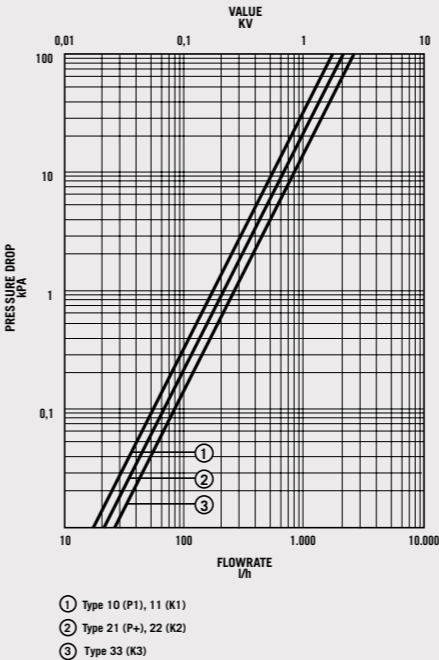
 **Stelrad** Vita Series

WALL MOUNTING INFORMATION
All dimensions in mm. Inches in brackets.

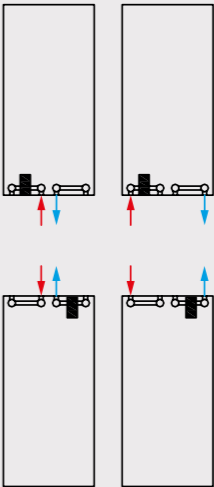


Comes complete with Stelrad's class leading safety bracket.

PRESSURE DROPS



PIPING OPTIONS



NEW Vita Deco Vertical



50 Δt
(75/65/20°C)



Height mm	Length mm	Sections	Stelrad UIN	Watts	Heat output Btu/h	Price exc VAT	Price inc VAT
1800	400	12	89222418	1476	5036	£189.68	£227.62
	500	15	89222518	1845	6295	£208.43	£250.12
	600	18	89222618	2214	7554	£228.25	£273.90

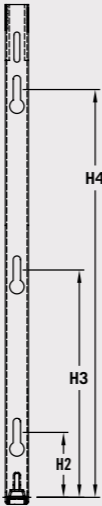
Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

EN 442 CERTIFICATION DATA - CETIAT TESTED
IN ACCORDANCE WITH BS EN 442

Type	K2
Height	1800
W/m at 75/65/20	3690
n-coefficients	1.32
Heated surface area (m²/m)	29.90
Weight (kg/m)	105.30
Water contents (l/m)	15.90
Wall to tap centre (mm)	77
K _M	20.70

MOUNTING BRACKETS

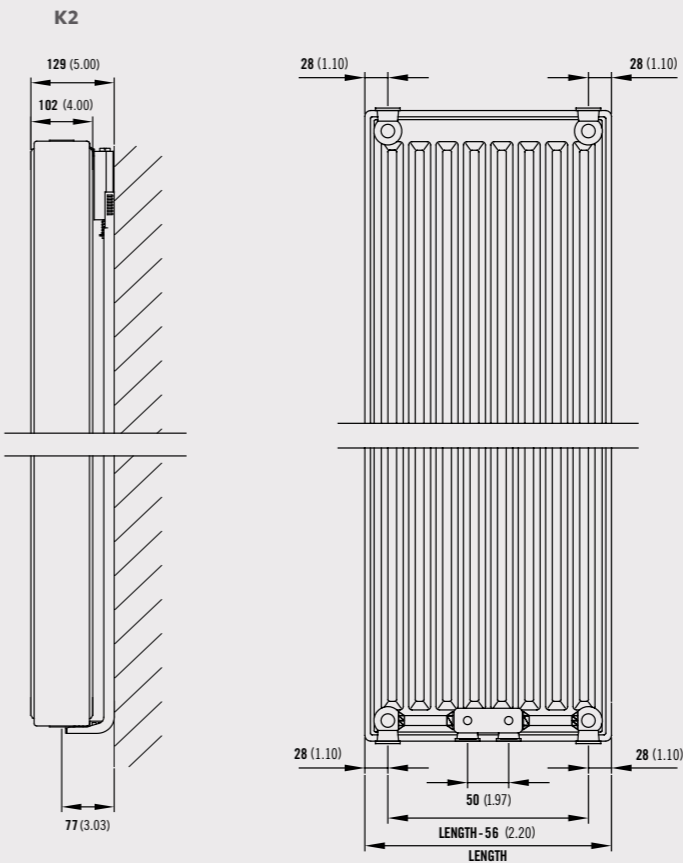
Height		H2		H3		H4	
mm	inches	mm	inches	mm	inches	mm	inches
1800	70.90	70	2.75	830	43.89	1590	63.58



NEW Vita Deco Vertical

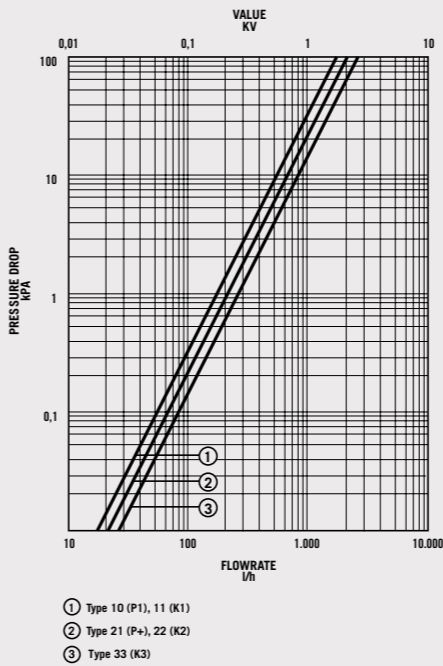


WALL MOUNTING INFORMATION
All dimensions in mm. Inches in brackets.

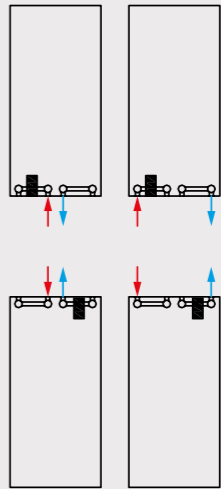


Comes complete with Stelrad's class leading safety bracket.

PRESSURE DROPS



PIPING OPTIONS



NEW Vita Plan Vertical



50 Δt
(75/65/20°C)



Height mm	Length mm	Sections	Stelrad UIN	Heat output		Price exc VAT	Price inc VAT
				Watts	Btu/h		
1800	400	12	89322418	1476	5036	£204.44	£245.33
	500	15	89322518	1845	6295	£226.69	£272.03
	600	18	89322618	2214	7554	£248.10	£297.72

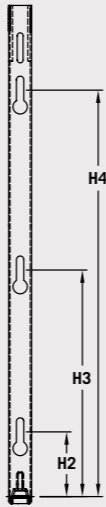
Δt50 is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C. If you have a low temperature heat source you may wish to consider Δt40 or Δt30 output (see your installer or system designer or download from www.stelrad.com).

EN 442 CERTIFICATION DATA - CETIAT TESTED
IN ACCORDANCE WITH BS EN 442

Type	K2
Height	1800
W/m at 75/65/20	3690
n-coefficients	1.32
Heated surface area (m²/m)	29.90
Weight (kg/m)	105.30
Water contents (l/m)	15.90
Wall to tap centre (mm)	77
K _M	20.70

MOUNTING BRACKETS

Height		H2		H3		H4	
mm	inches	mm	inches	mm	inches	mm	inches
1800	70.87	70	2.75	830	43.89	1590	63.58

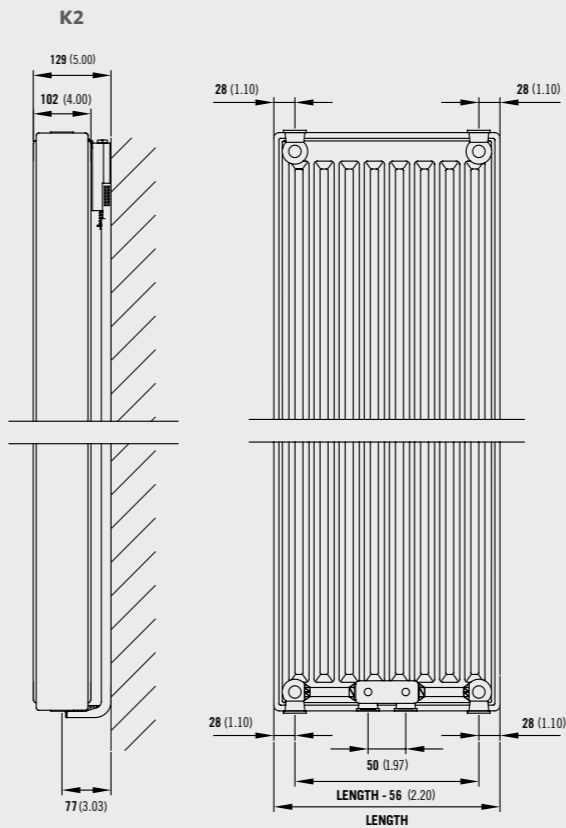


NEW Vita Plan Vertical



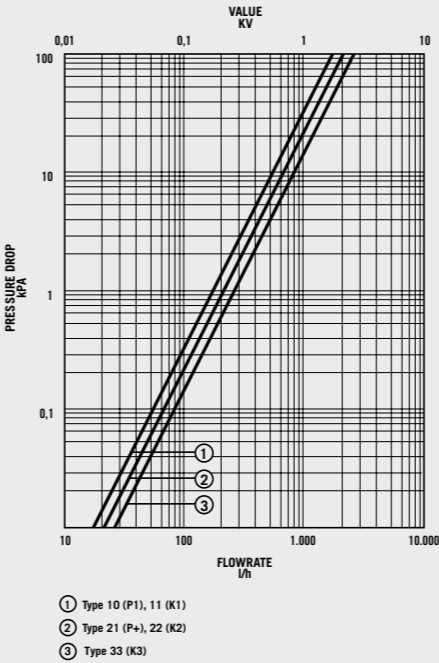
WALL MOUNTING INFORMATION

All dimensions in mm. Inches in brackets.

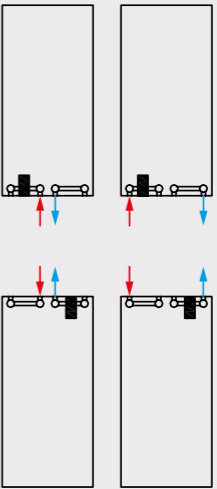


Comes complete with Stelrad's class leading safety bracket.

PRESSURE DROPS



PIPING OPTIONS



Colour Guide



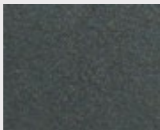
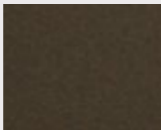
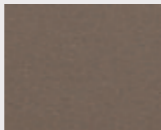
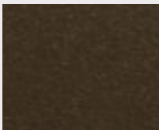

A shade for every room, for every interior. Opt for warm elegance, baroque ambience or modern minimalism.

Colour information for the:
Vita Series - Vita Ultra











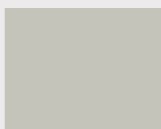



Natural Colours

						
NT110 Papyrus white	NT120 Pearl white	NT130 Champagne	NT140 Beige	NT150 Beige grey	NT160 Pebble grey	NT170 Quartz grey
						
SN110 Cream white	SN120 Cream	SN130 Mocca	SN140 Bordeaux	SN150 Sepia	SN160 Pale blue	SN170 Black

Metallic Colours

						
ML110 Dove grey	ML120 Titanium grey	ML130 Blue grey	ML140 Granite	ML150 Cappuccino	ML160 Terra brown	ML170 Graphite black

RAL Colours

						
A1004 Golden yellow	A2003 Pastel orange	A3002 Carmine red	A3003 Robin red	A5002 Ultramarine blue	A6018 Yellow green	A7001 Silver grey
						
A7011 Iron grey	A7016 Anthracite grey	A7030 Stone grey	A7035 Light grey	A8017 Chocolate brown	A9003 Signal white	A9005 Jet black









RAL 9016**
Traffic white comes as
standard on all radiators.

Stelrad Radiators are available in white (RAL 9016) as standard, however the specific Radiators identified are now available in a variety of colours. The colours shown are reproduced as accurately as this process will allow and can be made to order on the identified products.

All colour Radiators have up to a 6 week lead time, and when a coloured Radiator or Radiators have been ordered they cannot be cancelled or returned. To request a colour chart please email marketing@stelrad.com

Glossary

Btu/hr	British Thermal Unit per hour is the standard measurement used to state the amount of output of any heat generating device.
Watts	Is another measurement for heat output, 1 watt is equivalent to 3.412 Btu/hr.
P1	Also known as Type 10, is a type of radiator with 1 radiator panel and no convection fins.
K1	Also known as Type 11, is a type of radiator with 1 radiator panel and 1 set of convection fins.
P+	Also known as Type 21, is a type of radiator with 2 radiator panels and 1 set of convection fins.
K2	Also known as Type 22, is a type of radiator with 2 radiator panels and 2 sets of convection fins.
K3	Also known as Type 33, is a type of radiator with 3 radiator panels and 3 sets of convection fins.
Δt	Refers to the difference in temperature between the water circulating in the central heating system and that of the ambient temperature. It is important to use the correct Δt when selecting your radiators, as the same radiator will have different outputs at different water temperatures.
Δt50	Δt50 is the UK standard, however Stelrad also quote at lower levels for lower water temperature systems.
Heat loss	Is the amount of heat a room loses, it is therefore an important calculation when determining what size radiator is required to heat a room to the correct level.
UIN	Is the Stelrad product identification code.
Warranty	The warranty covers any defect that is attributable to a manufacturing, assembly or material fault, further details available on request.
ISO14001	Is a set of International regulations related to the environment.
ISO9001	Is a set of International regulations related to quality management systems.
OHSAS18001	Is a set of International regulations related to health and safety.
TBOE / BOE	Refers to which position the pipes are connected to the radiator, OE means opposite end i.e. 1 pipe on each side, TB is top bottom i.e. 1 pipe is connected to the top and 1 to the bottom, B is both pipes connected to the bottom.
CETIAT tested	A leading independent French laboratory which conducts testing and assessments.
	EN 442 is the European standard which defines the manufacturing standards for radiators and convectors which operate at temperatures of less than 120°C. The standard defines the type of steel which must be used, the type of pressure testing which must be carried out and the accuracy of the heat outputs quoted in the literature.
	The Stelrad Technically Advanced Radiator System heatloss calculator, offers an even simpler way to get sizing of radiators right, first time. Visit www.starsapp.co.uk
KIWA	Kiwa Ltd is an energy consultancy, Notified Body, UKAS-accredited testing lab and training centre with expertise in gas, oil, solid fuel, biomass and other renewables, construction materials, water and electricity.
	Continuing Professional Development. CIBSE (Chartered Institute of British Service Engineers) and RIBA (Royal Institute of British Architects) CPD approved courses available.
	Business Information Modelling (components) . Visit www.stelrad.com to download BIM components.
	All colour radiators have a 6 week lead time.
	All radiators with this logo are made to order.
RAL	A European wide colour matching system.
BSP	British Standard Piping.

Corporate Social Responsibility (CSR)

Stelrad recognises that its success is built on integrating business values and operations to meet the expectations of stakeholders. Stelrad’s social, economic and environmental responsibilities are to these stakeholders, which are demonstrated throughout its business practises, policies and achievements. Stelrad are committed to Integrated Management Systems for control of Quality, Health and Safety and Environment, which are certificated to BSI OHSAS / ISO standards.

Wherever possible, Stelrad sources renewable and recyclable materials. 100% of all metal and other raw materials throughout the manufacturing process are recycled.

A full CSR policy document is available on request.



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