

VERTICAL

GENERAL SPECIFICATION & TECHNICAL INFORMATION

- CERTIFICATION

Manufactured and tested to EN 442. Carries the CE Mark.
Produced under a quality management system - ISO 9001:2015, environmental management system - ISO 14001:2015 and Occupational health and safety management system - ISO 45001:2018.
- 10

GUARANTEE

10 year guarantee from date of purchase against manufacturing defects.
- COLOUR

All radiators are de-greased, phosphated and primer coated. An epoxy polyester finishing coat in white (RAL 9016) is applied to all front and rear surfaces.
- A

ACCESSORIES

Touch up paint available on request.
- SYSTEM

2 pipe pumped indirect domestic and commercial heating applications.

- CONNECTIONS

6 x 1/2" BSP.
- AIR VENTS

Air vent and plug packs are included in the packaging.
- OPERATING PRESSURES

Tested to a pressure of 8 bar.
Working pressure of up to 6 bar.
- OPERATING TEMPERATURE

Maximum 100°C.
- DELIVERY

2 - 5 working days.
- VALVES

Please see page 40.

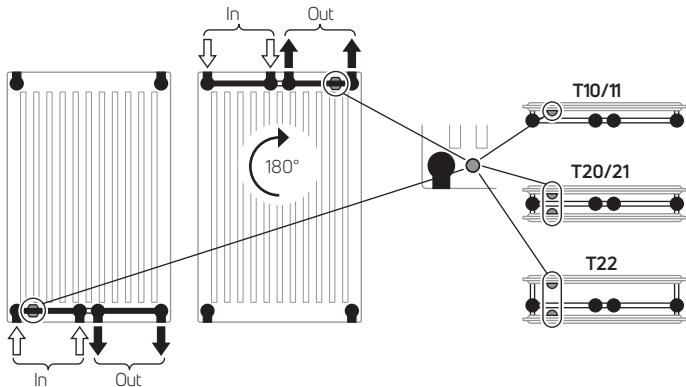
For more general information, please see page 276.

WEIGHTS & WATER CONTENTS PER METRE LENGTH				
Type	Nominal Height (mm)			
	1800		1950	
	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)
10	37.47	10.13	38.67	11.07
20	71.33	21.83	77.07	23.78
21	83.07	21.47	91.33	24.13
22	93.87	21.60	102.33	23.13

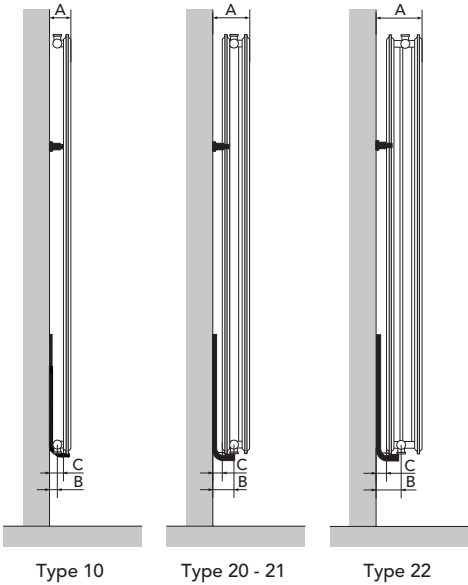
n-COEFFICIENTS		
Type	Nominal Height (mm)	
	1800	1950
10	1.3246	1.3381
20	1.3094	1.3135
21	1.3384	1.3422
22	1.3566	1.3619

CONNECTION OPTIONS

6 x 1/2" BSP (15/21)

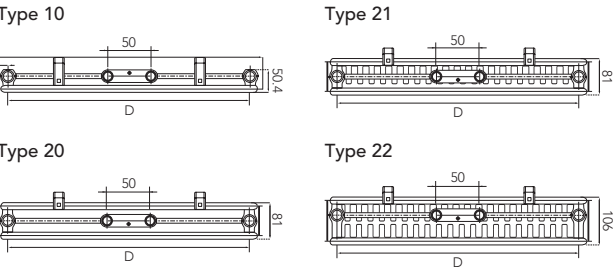


MOUNTING POSITIONS & DIMENSIONS

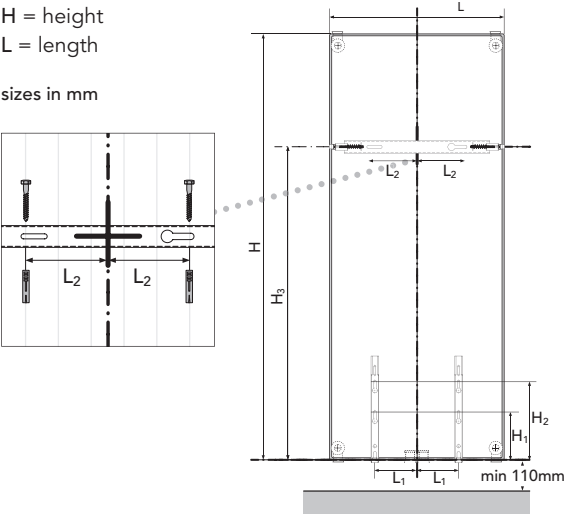


	Type			Length (mm)	D (mm)
	10	20-21	22		
A (mm)	80	108	133	300	244
B (mm)	43	67	67	450	394
C (mm)	65	27	27	600	544
				750	694

Top View



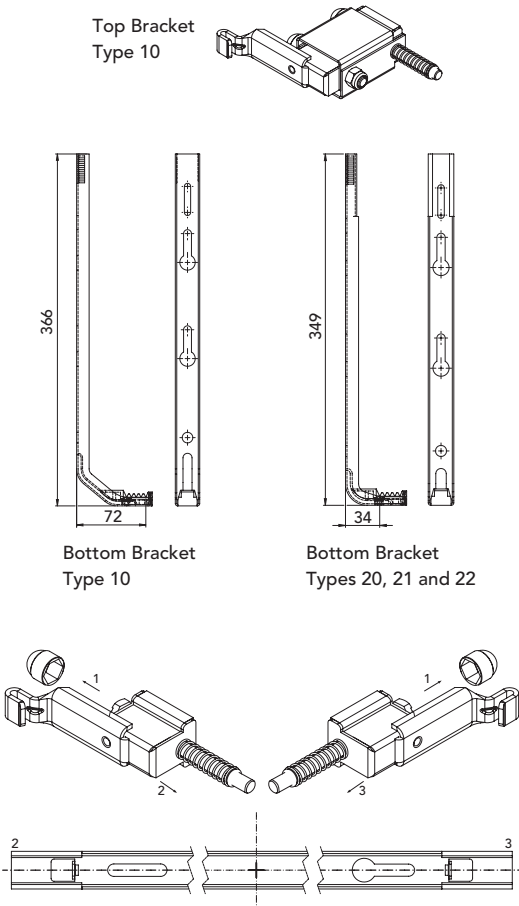
BRACKET POSITIONS & DIMENSIONS



Length L (mm)	L ₁ (mm)	L ₂ (mm)
300	75	25
450	100	95
600	175	170
750	250	245

Height H (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)
1800	150	250	1450
1950	150	250	1600

BRACKETS



Top Bracket
Types 20, 21 and 22

NB: All measurements are nominal.

VERTICAL
HEAT OUTPUTS

Type 10



Type 20



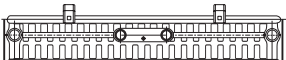
Nominal Height	Nominal Length (mm)	Heat Outputs @ ΔT 50°C		Heat Outputs @ ΔT 30°C		Order Code
		Watts	Btu/h	Watts	Btu/h	
1800mm	300					
	450	765	2611	389	1328	V 180 SP 45
	600	1020	3481	518	1768	V 180 SP 60
	750	1275	4352	648	2211	V 180 SP 75
1950mm	300					
	450	819	2795	413	1410	V 195 SP 45
	600	1092	3727	551	1881	V 195 SP 60
	750	1365	4659	689	2351	V 195 SP 75

Watts	Btu/h	Heat Outputs @ ΔT 50°C		Heat Outputs @ ΔT 30°C		Order Code
		Watts	Btu/h	Watts	Btu/h	
819	2795	420	1433			V 180 DP 30
1229	4193	629	2146			V 180 DP 45
1638	5590	839	2862			V 180 DP 60
2048	6988	1049	3579			V 180 DP 75
877	2993	448	1529			V 195 DP 30
1315	4488	672	2293			V 195 DP 45
1753	5984	896	3058			V 195 DP 60
2192	7480	1120	3822			V 195 DP 75

Type 21



Type 22



Nominal Height	Nominal Length (mm)	Heat Outputs @ ΔT 50°C		Heat Outputs @ ΔT 30°C		Order Code
		Watts	Btu/h	Watts	Btu/h	
1800mm	300	963	3287	486	1659	V 180 DPX 30
	450	1445	4930	729	2488	V 180 DPX 45
	600	1926	6573	972	3317	V 180 DPX 60
	750	2408	8217	1215	4146	V 180 DPX 75
1950mm	300	1020	3481	514	1754	V 195 DPX 30
	450	1530	5222	771	2631	V 195 DPX 45
	600	2040	6963	1028	3508	V 195 DPX 60
	750	2550	8703	1285	4385	V 195 DPX 75

Watts	Btu/h	Heat Outputs @ ΔT 50°C		Heat Outputs @ ΔT 30°C		Order Code
		Watts	Btu/h	Watts	Btu/h	
1132	3864	566	1931			V 180 DC 30
1698	5796	849	2896			V 180 DC 45
2264	7728	1132	3862			V 180 DC 60
2831	9660	1415	4827			V 180 DC 75
1192	4068	594	2027			V 195 DC 30
1788	6102	892	3044			V 195 DC 45
2384	8136	1189	4057			V 195 DC 60
2980	10170	1486	5071			V 195 DC 75

ACCESSORIES



TOWEL BAR

Product	Finish	Order Code
VALVE SETS (Includes a nut & olive pack)		
Two-pipe Valve Set (Straight)*	White	VSWHST
Two-pipe Valve Set (Straight)*	Chrome	VSCHST
Two-pipe Valve Set (Angle)*	White	VSWHAN
Two-pipe Valve Set (Angle)*	Chrome	VSCHAN
TOWEL BARS		
300mm	White	VERTBAR300
450mm	White	VERTBAR450
600mm	White	VERTBAR600
750mm	White	VERTBAR750



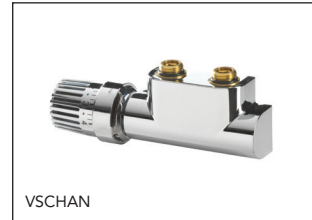
VSWHST



VSCHST



VSWHAN



VSCHAN

*Not to be used for top connection.

LST
RANGE
the full family



Complies with
NHS Guidance
Notes



Floor Casing to
Cover Pipework



10 Year Warranty
for Casing and
Emitter



Rounded Steel
Casing



TURN
OVER
FOR MORE
INFO...