

SC VERTICAL



Datasheet

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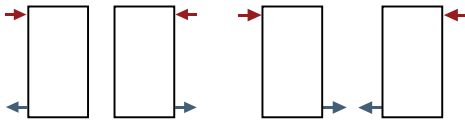


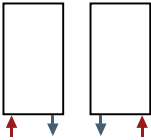
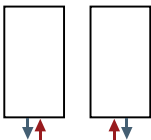
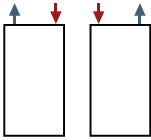
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DESCRIPTION

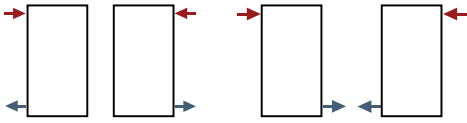
The Hudevad SC Vertical radiator is the perfect heating source for making a statement. The radiator has a high-end and timeless design that is highly customizable for the perfect fit in any environment. The radiator doesn't block the light, as its flat elements are designed to give the room a feeling of spaciousness and the impression of 'air'. The SC Vertical radiator is ideal for many applications due to its unique design that blends into the room architecture without stealing focus.

Material	Headers: Square steel tube 35 x 35 x 2.5 mm to EN 10305-5 Flat tube elements: Steel tube 70 x 11 x 1.9 mm to EN 10305-5
Test pressure	10 bar
Max. operating pressure	7.7 bar in accordance with EN 442
Max. operating temp.	95°C
Surface treatment	Pretreatment: Degreasing and passivation Priming: Primed with water based paint in pale grey Surface treatment in accordance with DIN 55900 and EN 442
Element spacing	40 and 60 mm
Height	1100 - 2500 mm in increments of 100 mm
Lenght	80 - 1200 mm mm in increments of 40 and 60 mm, depending of element spacing.
Depth	SCE: 98 mm. SCD: 160 mm
Tappings	1/2" standard
Installation	Wall or floor mounted. Brackets, air vents and plugs are included.
Optional extras	Fixed feet SF124
Colour	Powder coated in white RAL 9016. Gloss 70 Option: Painted in other standard RAL colours. For more information, please see the Hudevad Colour brochure at www.hudevad.com

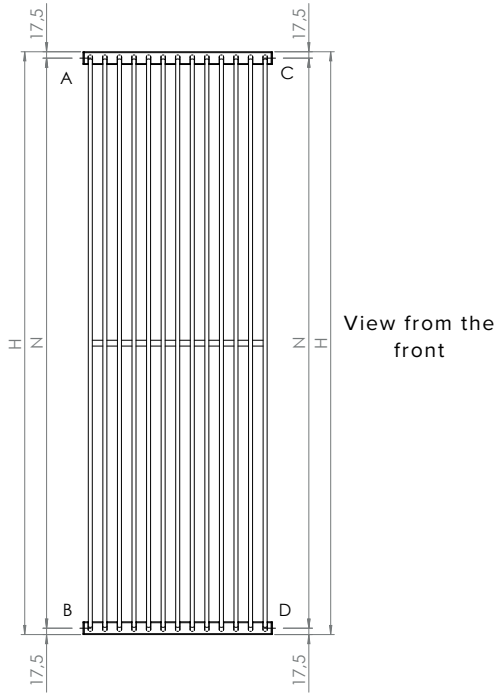
TAPPING OVERVIEW

Tapping type	Tapping possibilities
ABCD (4 tap)	
FF (6 tap)	
EE (6 tap)	
E/F No valve	
Center tap M No valve	
Top tapping G/H No valve	

TAPPING POSSIBILITIES - ABCD - Side tapplings

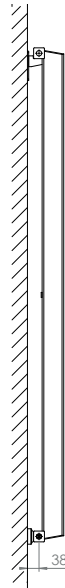


View from the front

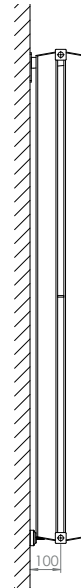


View from the front

SCE,
profile



SCD,
profile *Drawing 5.1*



Centre distance N is calculated as: Radiator height (H)-35 mm

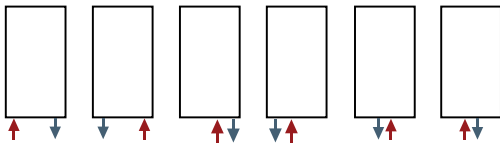
B-D tapping combination:

To ensure optimum water flow, bottom headers are factory fitted with a diverter plate. Therefore, flow and return must be stated when ordering.

NOTE:

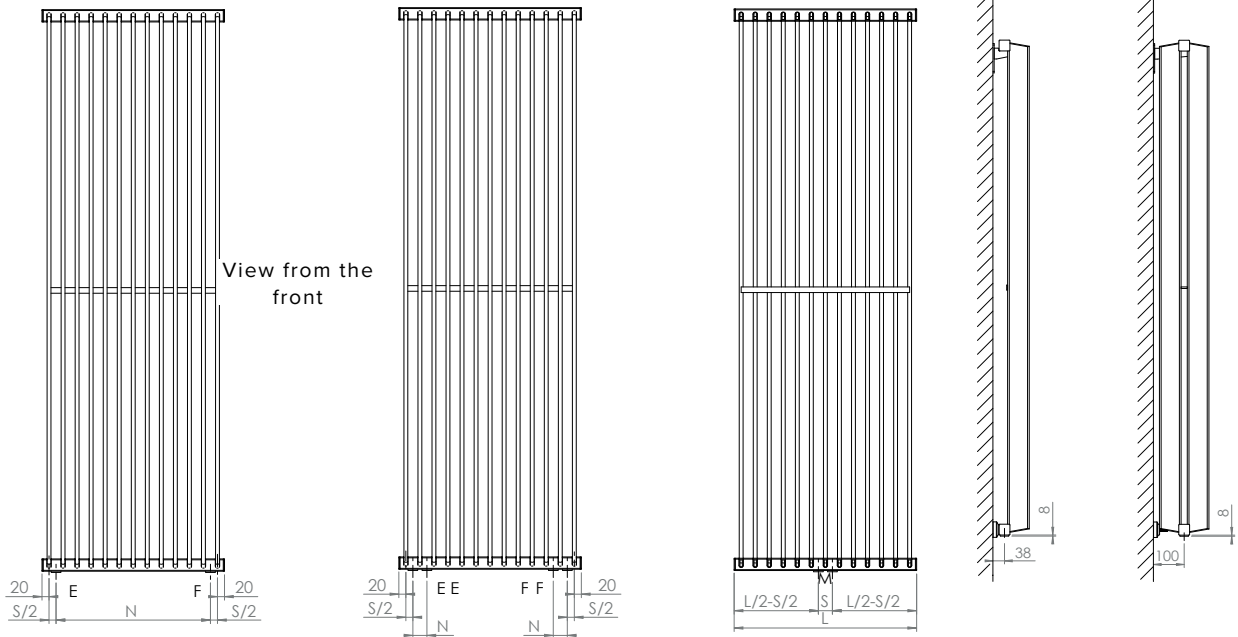
SC higher than 1500 mm is braced with a steel rail on the rear side of the flat tube elements

TAPPING POSSIBILITIES - E/F, EE / FF and M - Underside tapplings



View from the front

Drawing 6.1



Center distance N at tapping EF/FE is calculated: Radiator length L - element spacing - 40 mm

Centre distance N at tapping EE/FF corresponds to element spacing S

M tapping is placed in the center on Length L.

Please note that M tapping is only possible when there is an unequal amount of elements.

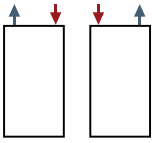
NOTE:

Flow is always placed in the outer tapping. Radiator is factory fitted with a diverter plate between tapplings to ensure optimum water flow. Therefore, flow and return must be stated when ordering.

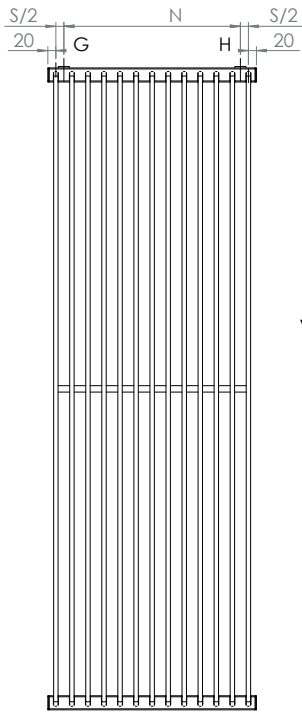
NOTE:

SC higher than 1500 mm is braced with a steel rail on the rear side of the flat tube elements

TAPPING POSSIBILITIES - G/H - Top tapings

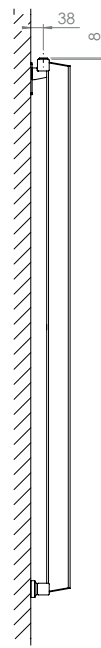


View from the front

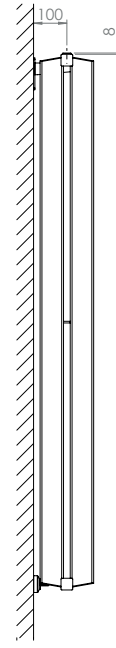


View from the front

SCE,
profile



SCD,
profile



Drawing 71

Center distance N at tapping GH/HG is calculated: Radiator length L - element spacing - 40 mm

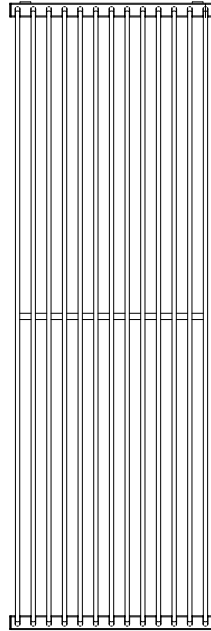
NOTE:

Flow is always placed in the outer tapping. Radiator is factory fitted with a diverter plate between tapings to ensure optimum water flow. Therefore, flow and return must be stated when ordering.

NOTE:

SC higher than 1500 mm is braced with a steel rail on the rear side of the flat tube elements

ILLUSTRATION



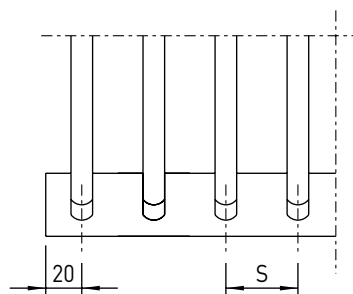
Drawing 8.1

DIMENSIONS

Radiator length is calculated as:
 Element spacing $S \times (\text{no. of elements} - 1) + 40 \text{ mm}$

No. of elements for a given radiator length is calculated as:
 $(\text{radiator length } L - 40) / \text{element spacing } S + 1$
 Length table: see page 9

Note: SC higher than 1500 mm is braced with a steel rail on the rear side of the flat tube elements



Drawing 8.2

Element spacing $S = 40 \text{ or } 60 \text{ mm}$

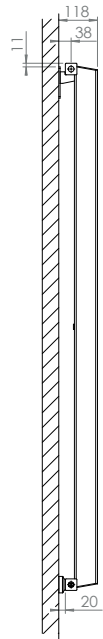
LENGTH AND ELEMENT SPACING TABLE

Length mm	Element spacing, mm	
	40	60
80	2	
100		2
120	3	
160	4	3
200	5	
220		4
240	6	
280	7	5
320	8	
340		6
360	9	
400	10	7
440	11	
460		8
480	12	
520	13	9
560	14	
580		10
600	15	
640	16	11
680	17	
700		12
720	18	
760	19	13
800	20	
820		14
840	21	
880	22	15
920	23	
940		16
960	24	
1000	25	17
1040	26	
1060		18
1080	27	
1120	28	19
1160	29	
1180		20
1200	30	

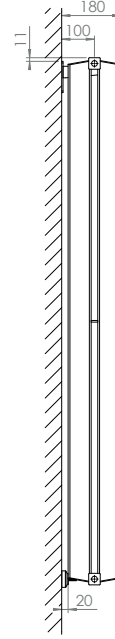
SC WALL MOUNTED

Drawing 10.1

SC single (SCE), profile



SC double (SCD), profile



No. of brackets and spacers	Element spacing			
	40 mm		60 mm	
	Elements	L, mm	Elements	L, mm
2/2	2-25	80-1000	2-17	100-1000
3/2	26-30	1040-1200	18-20	1060-1180

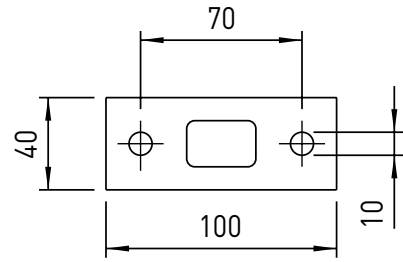
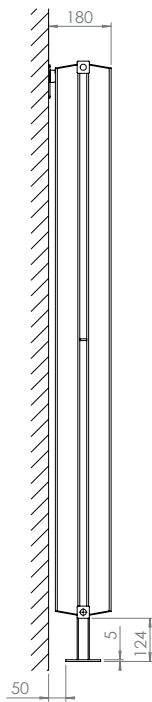
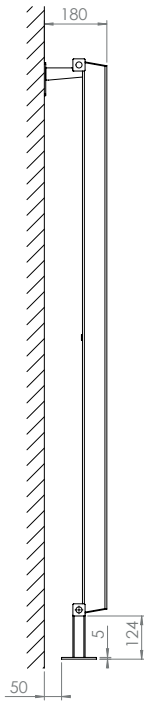
SC FLOOR MOUNTED - FIXED FEET SF124

- Application** For use where wall mounting is not possible.
- Construction** 20 x 30 x 2 mm steel tube with foot plate of 5 mm steel
Feet are welded onto the radiator
- Height** 124 mm from upper floor surface to lower edge of radiator
- Colour** Same as radiator
- Note** Wall bracket at the top is required for the use of SF124 feet

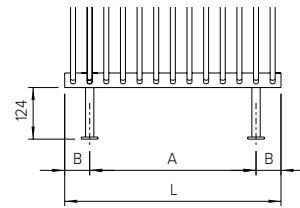
SC single (SCE), profile

SC double (SCD), profile

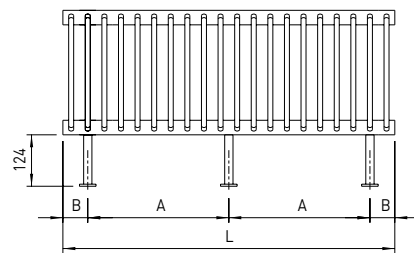
Foot plate for SF124 feet, top view



Radiator with 2 SF124 feet



Radiator with 3 SF124 feet

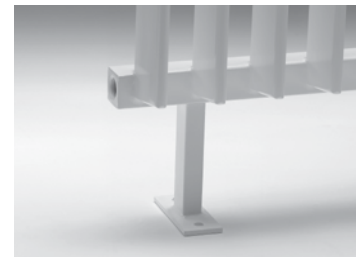


Drawing 11.1

Distance B at different tapping combinations

Element spacing, mm	Tapping combinations	
	ABCD	EE/FF, E/F, M and G/H
40	60	140
60	80	200

SCE with fixed feet SF124



Position and no. of feet

No. of feet	Element spacing				
	A, mm	40 mm		60 mm	
		Elements	L, mm	Elements	L, mm
2	L - 2B	2-30	80-1200	2-20	100-1180

Feet will be welded under an element or between 2 elements. Therefore, distance A may vary. Distance B depends on tapping combination, see table above.

OUTPUT

SC SINGLE (SCE)

Height, mm	W/m, 75°/65°/20°		W/m, 70°/40°/20°		W/m, 60°/30°/20°		Water content litres/ element	Weight kg/ element
	Element spacing, mm		Element spacing, mm		Element spacing, mm			
	40	60	40	60	40	60		
1100	1800	1382	1043	801	609	467	0.65	2.7
1200	1950	1494	1130	865	659	505	0.70	3.0
1300	2100	1608	1216	931	710	544	0.75	3.2
1400	2253	1717	1305	995	762	581	0.80	3.4
1500	2405	1836	1393	1064	813	621	0.85	3.7
1600	2550	1955	1477	1132	862	661	0.90	3.9
1700	2725	2074	1578	1201	921	701	0.95	4.1
1800	2875	2193	1665	1270	972	742	1.00	4.4
1900	3025	2312	1752	1339	1023	782	1.05	4.6
2000	3200	2448	1854	1418	1082	828	1.10	4.8
2100	3350	2567	1941	1487	1133	868	1.15	5.0
2200	3525	2686	2042	1556	1192	908	1.20	5.3
2300	3700	2822	2143	1635	1251	954	1.25	5.5
2400	3875	2958	2245	1713	1310	1000	1.30	5.8
2500	4025	3094	2332	1792	1361	1046	1.35	6.0

OUTPUT

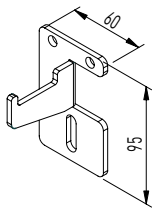
SC DOUBLE (SCD)

Height, mm	W/m, 75°/65°/20°		W/m, 70°/40°/20°		W/m, 60°/30°/20°		Water content liter/ element	Weight kg/ element
	Element spacing, mm		Element spacing, mm		Element spacing, mm			
	40	60	40	60	40	60		
1100	2975	2346	1723	1359	1006	793	1.09	5.2
1200	3225	2550	1868	1477	1091	862	1.18	5.7
1300	3500	2737	2027	1585	1184	926	1.27	6.1
1400	3750	2941	2172	1704	1268	994	1.36	6.6
1500	4000	3128	2317	1812	1353	1058	1.45	7.0
1600	4250	3332	2462	1930	1437	1127	1.54	7.5
1700	4500	3519	2607	2038	1522	1190	1.63	8.0
1800	4775	3723	2766	2157	1615	1259	1.72	8.4
1900	5250	3910	3041	2265	1775	1322	1.81	8.9
2000	5300	4114	3070	2383	1792	1391	1.90	9.3
2100	5575	4301	3229	2491	1885	1454	1.99	9.8
2200	5825	4505	3374	2610	1970	1523	2.08	10.3
2300	6100	4692	3534	2718	2063	1587	2.17	10.7
2400	6375	4896	3693	2836	2156	1656	2.26	11.2
2500	6675	5083	3867	2944	2257	1719	2.35	11.6

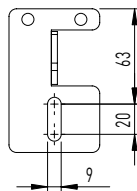
ACCESSORIES

Drawing 13.1

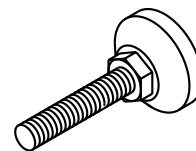
Bracket SB20



Bracket, profile



Spacer



SCE uses bracket SB20 and SCD uses bracket SB82

Note: Bracket SB82 has same backplate with longer outreach