

SC VERTICAL



Datasheet

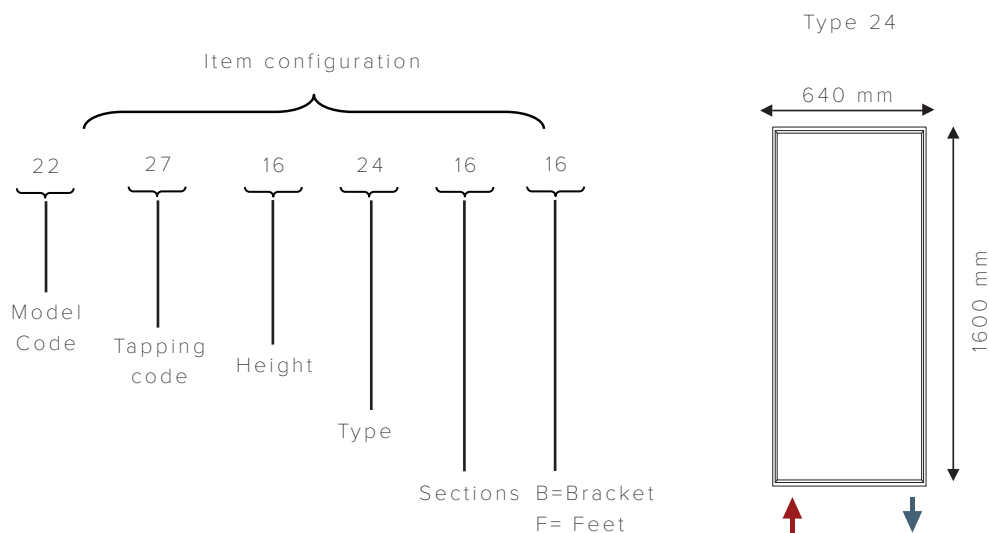
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SPECIFICATION

HOW TO SPECIFY AN ITEM

Item number example 2227162416B



Note

Thermostat sensor head is not included in the product - should be ordered separately.

Please indicate installation option:

B = Wall Bracket

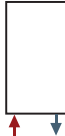
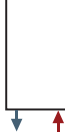
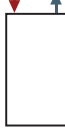
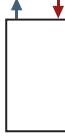
F = Feet

DESCRIPTION

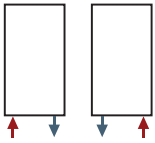
The Hudevad SC Vertical radiator is the perfect heating source for making a statement. The radiator has a high-end and timeless design that is highly customizable for the perfect fit in any environment. The radiator doesn't block the light, as its flat elements are designed to give the room a feeling 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	Pre-treatment by alkaline degreasing and a layer of zirconia as conversion coating. Powder coated in accordance with DIN 55900, EN 442.
Element spacing	40 and 60 mm
Height	1200, 1400, 1500, 1600, 1800, 2000, 2200, 2400 and 2500 mm
Lenght	400 - 1200 mm mm in increments of 80 and 120 mm, depending of element spacing.
Depth	SCE, Type 14 or 16: 98 mm. SCD: Type 24 or 26: 160 mm
Tappings	1/2" standard
Installation	Wall or floor mounted. 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
Note	Type 14 = SCE, single, element spacing 40 mm Type 24 = SCD, double, element spacing 40 mm Type 16 = SCE, single, element spacing 60 mm Type 26 = SCD, double, element spacing 60 mm

TAPPING OVERVIEW

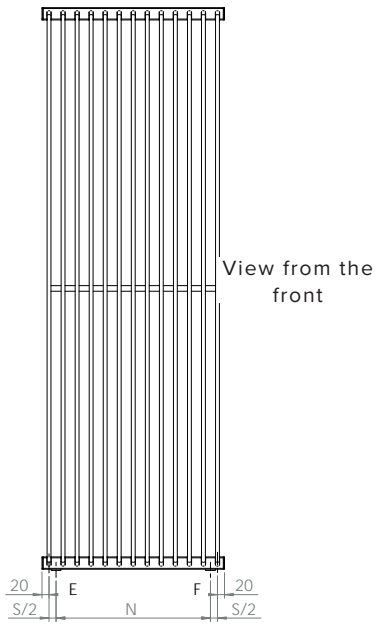
Tapping code	Tapping type	Tapping possibilities
27	E/F No valve Flow left	
28	E/F No valve Flow right	
29	G/H top tap No valve Flow left	
30	G/H top tap No valve Flow right	

TAPPING CODE 27 AND 28 - E/F TAPPINGS



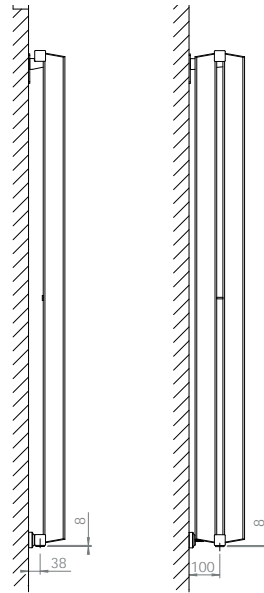
View from the front

Drawing 5.1



View from the front

SCE, type 14 and 16 profile SCD, type 24 and 26 profile

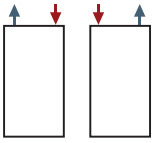


Center distance N at tapping E/F is calculated: Radiator length L - element spacing - 40 mm

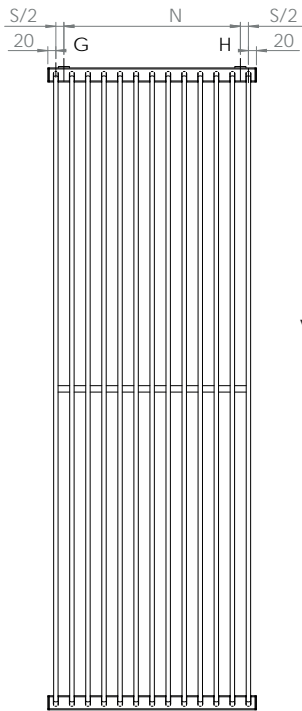
NOTE:

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

TAPPING CODE 29 AND 30 - G/H - TOP TAPPINGS

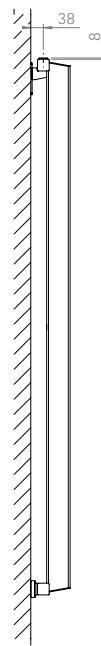


View from the front

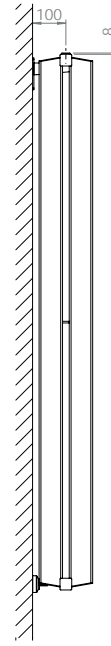


View from the front

SCE,
type 14 and 16
profile



SCD,
type 14 and 16
profile



Drawing 6.1

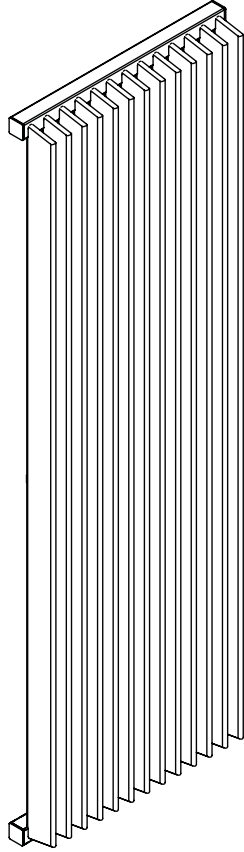
Center distance N at tapping GH/HG is calculated: Radiator length L - element spacing - 40 mm

NOTE:

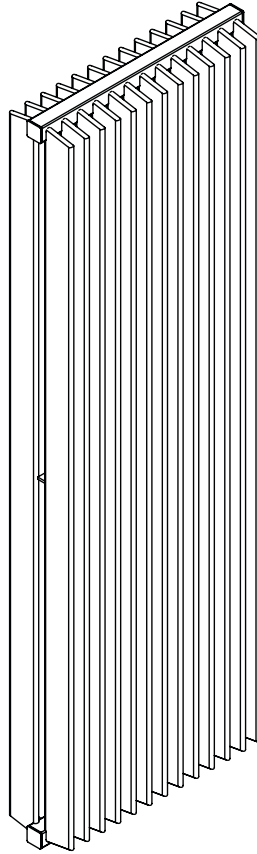
SC higher than 1500 mm is braced with a steel rail on the rear side of the flat tube elements

ILLUSTRATION

Drawing 71



Type SCE - single, Type 14 or 16



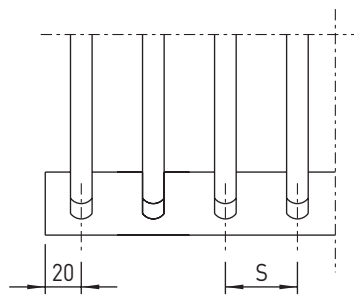
Type SCD - double, Type 24 or 26

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:
 (radiator length $L - 40$) / element spacing $S + 1$
Length table: see below

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



Element spacing $S = 40$ or 60 mm

Drawing 8.1

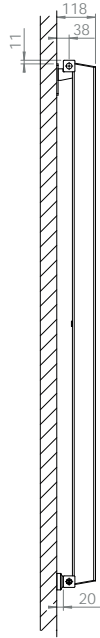
LENGTH AND ELEMENT SPACING TABLE

Length mm	Element spacing, mm	
	40	60
400	10	
460		8
480	12	
560	14	
580		10
640	16	
700		12
720	18	
800	20	
820		14
880	22	
940		16
960	24	
1040	26	
1060		18
1120	28	
1180		20
1200	30	

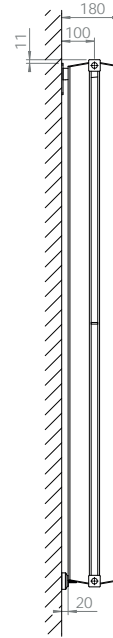
SC WALL MOUNTED

Drawing 9.1

SC single (SCE), type 14 and 16 profile



SC double (SCD), type 24 and 26 profile

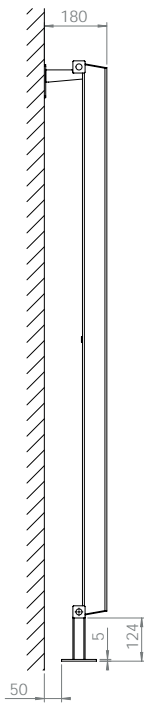


No. of brackets and spacers	Element spacing			
	40 mm		60 mm	
	Elements	L, mm	Elements	L, mm
2/2	10-24	400-960	8-16	460-940
3/2	26-30	1040-1200	18-20	1060-1180

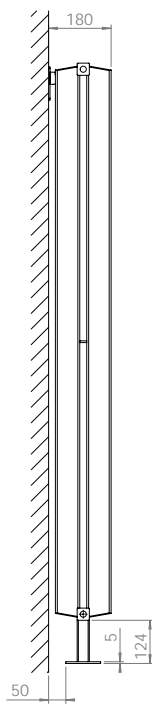
SC FLOOR MOUNTED - FIXED FEET SF124

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

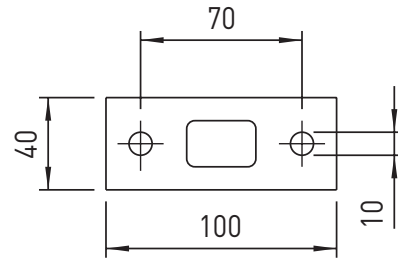
SC single (SCE),
type 14 and 16
profile



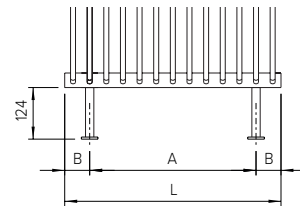
SC double (SCD),
type 24 and 26
profile



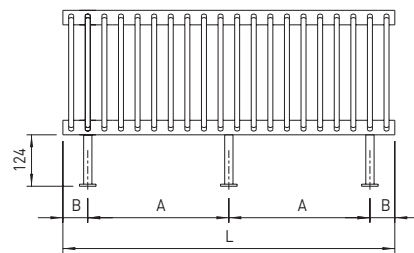
Foot plate for SF124 feet, top view



Radiator with 2 SF124 feet



Radiator with 3 SF124 feet

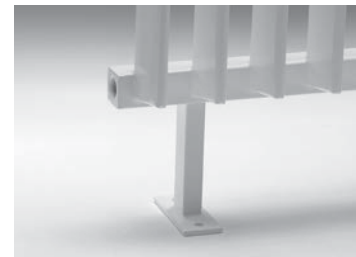


Drawing 10.1

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	10-30	400-1200	8-20	460-1180

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), TYPE 14 AND 16

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		
1200	1950	1494	1130	865	659	505	0.70	3.0
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
1800	2875	2193	1665	1270	972	742	1.00	4.4
2000	3200	2448	1854	1418	1082	828	1.10	4.8
2200	3525	2686	2042	1556	1192	908	1.20	5.3
2400	3875	2958	2245	1713	1310	1000	1.30	5.8
2500	4025	3094	2332	1792	1361	1046	1.35	6.0

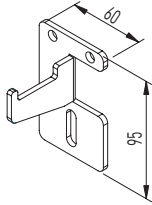
SC DOUBLE (SCD), TYPE 24 AND 26

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		
1200	3225	2550	1868	1477	1091	862	1.18	5.7
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
1800	4775	3723	2766	2157	1615	1259	1.72	8.4
2000	5300	4114	3070	2383	1792	1391	1.90	9.3
2200	5825	4505	3374	2610	1970	1523	2.08	10.3
2400	6375	4896	3693	2836	2156	1656	2.26	11.2
2500	6675	5083	3867	2944	2257	1719	2.35	11.6

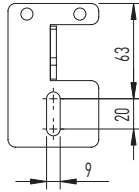
ACCESSORIES

Drawing 12.1

Bracket SB20



Bracket, profile



Spacer



SCE, type 14 and 16, uses bracket SB20 and SCD, type 24 and 26 uses bracket SB82

Note: Bracket SB82 has same backplate with longer outreach