HUDEVAD
RADIATOR DESIGN

EPECON
Inred med vacker värme

SC HORIZONTAL

Datasheet

INDEX

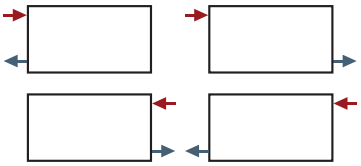
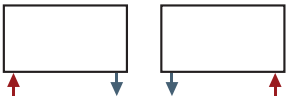
DESCRIPTION

The Hudevad SC 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 for giving the room spaciousness and the impression of 'air'. The SC radiator is ideal for many applications due to its unique design that blends into the room architcture without stealing focus.

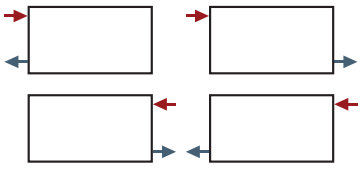
Material	Headers: Square steel tube 35 x 35 x 2.5 mm to EN 10305-5 Flat tube elements: Steel tube 70 x 11 x 1.9 mm to EN 10305-5
Test pressure	10 bar
Max. operating pressure	7.7 bar in accordance with EN 442
Max. operating temp.	95°C
Surface treatment	Pretreatment: Degreasing and passivation Priming: Primed with water based paint in pale grey Surface treatment in accordance with DIN 55900 and EN 442
Element spacing	40 and 60 mm
Length	400-3000 mm in increments of 40 and 60 mm, depending of element spacing. Max. length, however, depends on height and weight
Height	400-1000 mm in increments of 100 mm For height 300 mm please see SC Lowline
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

HUDEVAD
RADIATOR DESIGN

TAPPING OVERVIEW

Tapping code	Tapping type	Tapping possibilities
10	ABCD (4 tap)	
11	FF (6 tap)	
12	EE (6 tap)	
15	E/F No valve	

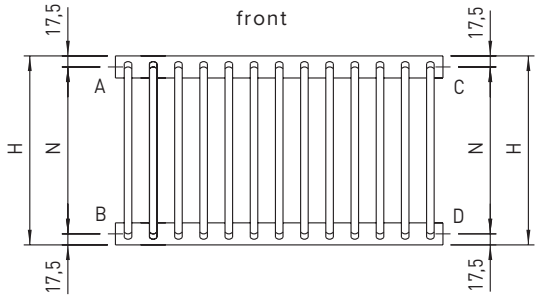
TAPPING CODE 10 - ABCD - Side tappings



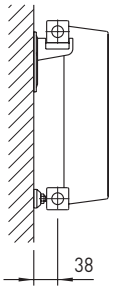
View from the front

Drawing 4.1

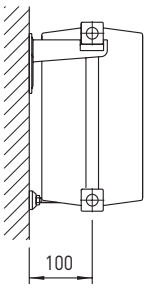
View from the front



SCE, profile



SCD, profile



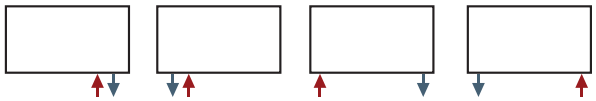
Centre distance N is calculated as: Radiator height (H)-35 mm

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: For lengths greater than 1800 mm, the flow and return must always be indicated when ordering

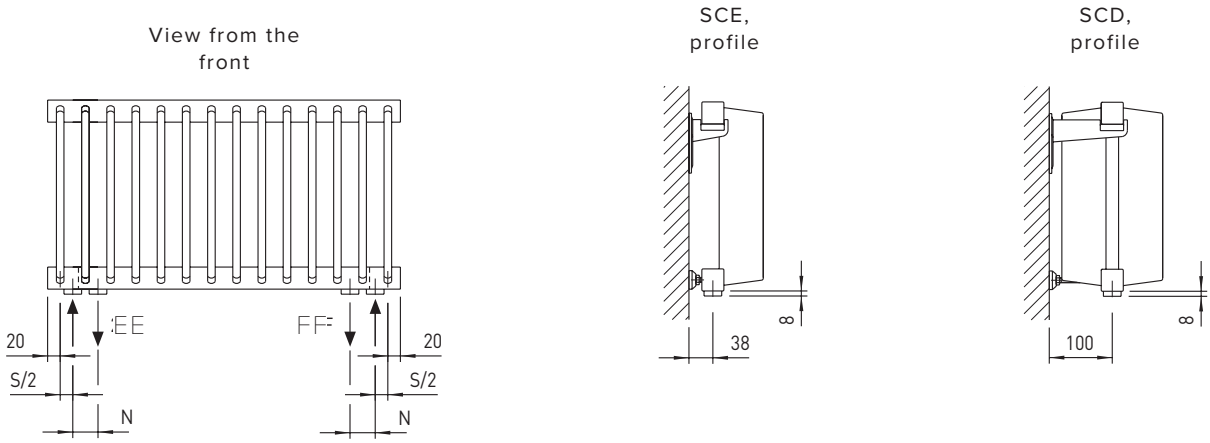
HUDEVAD
RADIATOR DESIGN

TAPPING CODE 11, 12 AND 15 - EE / FF and E/F - Underside tappings



View from the front

Drawing 5.1

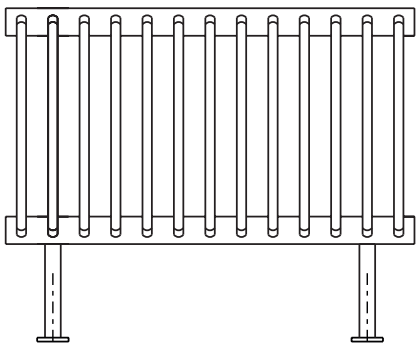


Centre distance N at tapping EE/FF corresponds to element spacing S

Note: Flow is always placed in the outer tapping. Radiator is factory fitted with a diverter plate between tappings to ensure optimum water flow.

ILLUSTRATION

Drawing 5.2



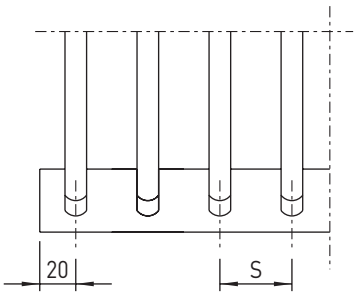
DIMENSIONS

Radiator length is calculated as:
Element spacing S x (no. of elements - 1) + 40 mm

No. of elements for a given radiator length is calculated as:
(radiator length L - 40)/element spacing S + 1

Length table: see page 7

Drawing 6.1



Element spacing S = 40 or 60 mm

LENGTH AND ELEMENT SPACING TABLE

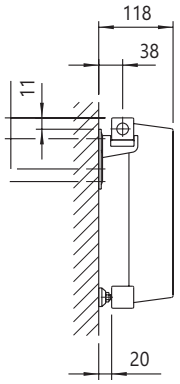
Length	Element spacing, mm		Length	Element spacing, mm	
mm	40	60	mm	40	60
400	10	7	1780		30
440	11		1800	45	
460		8	1840	46	31
480	12		1880	47	
520	13	9	1900		32
560	14		1920	48	
580		10	1960	49	33
600	15		2000	50	
640	16	11	2020		34
680	17		2040	51	
700		12	2080	52	35
720	18		2120	53	
760	19	13	2140		36
800	20		2160	54	
820		14	2200	55	37
840	21		2240	56	
880	22	15	2260		38
920	23		2280	57	
940		16	2320	58	39
960	24		2360	59	
1000	25	17	2380		40
1040	26		2400	60	
1060		18	2440	61	41
1080	27		2480	62	
1120	28	19	2500		42
1160	29		2520	63	
1180		20	2560	64	43
1200	30		2600	65	
1240	31	21	2620		44
1280	32		2640	66	
1300		22	2680	67	45
1320	33		2720	68	
1360	34	23	2740		46
1400	35		2760	69	
1420		24	2680	67	45
1440	36		2720	68	
1480	37	25	2740		46
1520	38		2760	69	
1540		26	2800	70	47
1560	39		2840	71	
1600	40	27	2860		48
1640	41		2880	72	
1660		28	2920	73	49
1680	42		2960	74	
1720	43	29	2980		50
1760	44		3000	75	

HUDEVAD
RADIATOR DESIGN

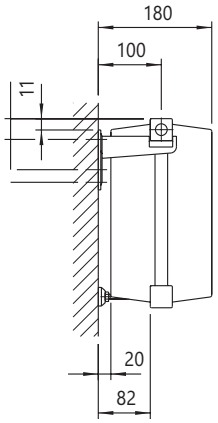
SC WALL MOUNTED

Drawing 8.1

SC single (SCE), profile



SC double (SCD), profile

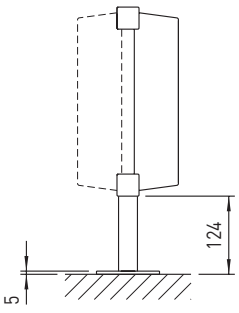


No. of brackets and spacers	Element spacing			
	40 mm		60 mm	
	Elements	L, mm	Elements	L, mm
2/2	10-25	400-1000	7-17	400-1000
3/2	26-50	1040-2000	18-33	1060-1960
4/3	51-75	2040-3000	34-50	2020-2980

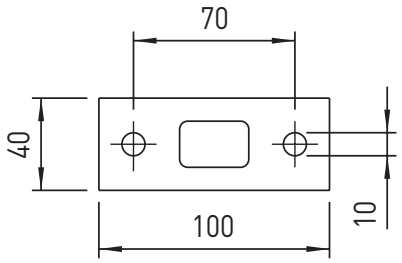
SC FLOOR MOUNTED - FIXED FEET SF124

Drawing 8.2

SF124 feet, profile



Foot plate for SF124 feet, top view

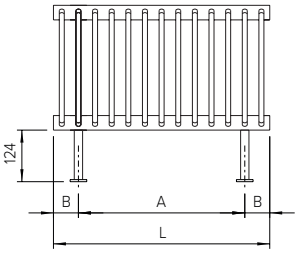


Application	For use where wall mounting is not possible, e.g. in front of glazing
Construction	20 x 30 x 2 mm steel tube with foot plate of 5 mm steel Feet are welded onto the radiator
Height	124 mm from upper floor surface to lower edge of radiator
Colour	Same as radiator
Note	Limitations in radiator height, see table below

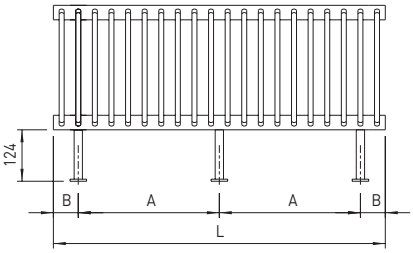
VIEW FROM THE FRONT

Drawing 9.1

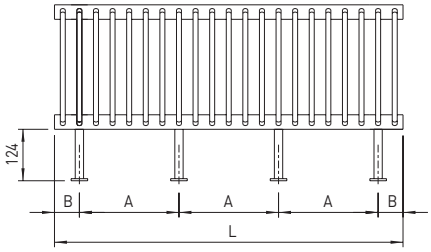
Radiator with 2 SF124 feet



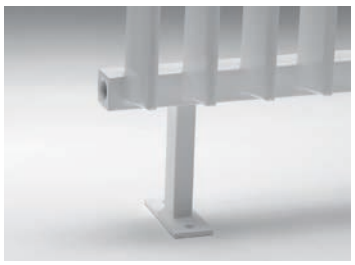
Radiator with 3 SF124 feet



Radiator with 4 SF124 feet



SCE with fixed feet SF124



Limitations in radiator height

Radiator height, mm	Comments
400-600	-
700-3000	Top restraint by wall brackets is required (supplied)

Distance B at different tapping combinations

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

POSITION AND NO. OF FEET

		Element spacing			
		40 mm		60 mm	
No. of feet	A, mm	Elements	L, mm	Elements	L, mm
2	L - 2B	10-40	400-1600	7-27	400-1600
3	(L - 2B)/2	41-70	1640-2800	28-47	1660-2800
4	(L - 2B)/3	71-75	2840-3000	48-50	2860-2980

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.

HUDEVAD
RADIATOR DESIGN

OUTPUT

SC SINGLE (SCE)

Height, mm	W/m, 75°/65°/20° Element spacing, mm		W/metre 70°/40°/20° Element spacing		W/metre 60°/30°/20° Element spacing		Water content litres/ element	Weight kg/ element
	40	60	40	60	40	60		
300	595	469	436	342	255	200	0.25	0.9
400	753	590	526	410	307	239	0.30	1.1
500	908	707	613	476	358	278	0.35	1.4
600	1058	821	700	540	408	315	0.40	1.6
700	1208	933	785	606	458	354	0.45	1.8
800	1355	1046	872	671	509	392	0.50	2.1
900	1505	1158	958	736	559	429	0.55	2.3
1000	1653	1270	844	649	2088	1610	0.60	2.5

SC DOUBLE (SCD)

Height, mm	W/m, 75°/65°/20° Element spacing, mm		W/metre 70°/40°/20° Element spacing, mm		W/metre 60°/30°/20° Element spacing, mm		Water content liter/ element	Weight kg/ element
	40	60	40	60	40	60		
300	960	729	710	546	414	319	0.37	1.5
400	1225	942	859	667	501	389	0.46	2.0
500	1483	1151	1007	785	588	458	0.55	2.4
600	1738	1355	1153	902	673	526	0.64	2.9
700	1990	1557	1298	1014	757	592	0.73	3.4
800	2240	1751	1441	1132	841	661	0.82	3.8
900	2488	1955	1578	1251	921	730	0.91	4.3
1000	2725	2159	1392	1103	3464	2750	1.00	4.7

OPTIONS

ANGLED AND CURVED RADIATORS

Description

All SCE and SCD radiators can be supplied angled or curved.
Tapping designations etc. follow the same principles as for straight radiators.

Output calculation, angled:

The exact no. of elements is determined by Hudevad taking ordered angle and element spacing into consideration.

Output calculation, curved:

When calculating the radiator output the length of the horizontal header and not the length of the wall is to be used.

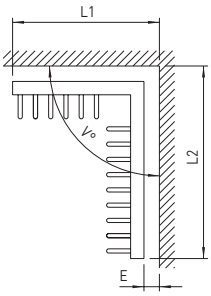
Installation

Wall or floor mounted.
Note: Unless otherwise specified, the radiator is supplied with bracket SB20 (SCE) or SB82 (SCD).

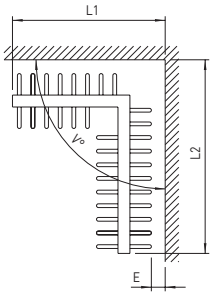
If alternative wall distance is required, please consult Hudevad.

INTERNAL ANGLES

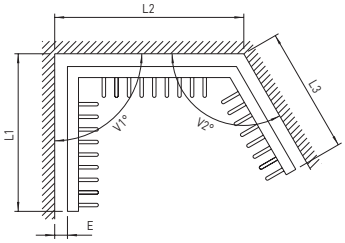
SCE



SCD

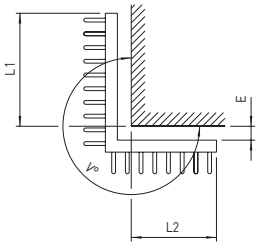


2 internal angles



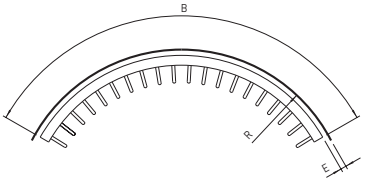
EXTERNAL ANGLE

Drawing 11.1

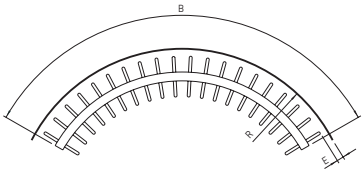


INTERNAL CURVE

SCE

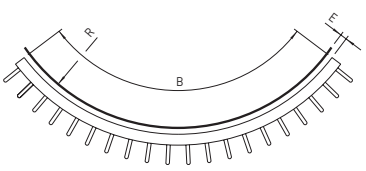


SCD



EXTERNAL CURVE

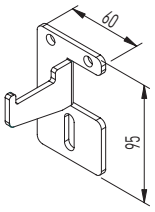
Drawing 11.2



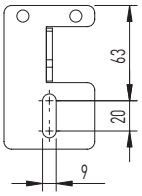
ACCESSORIES

Drawing 12.1

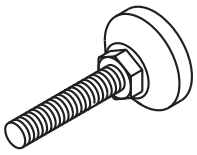
Bracket SB20



Bracket, profile



Spacer



SCE uses bracket SB20 and SCD uses bracket SB82

Note: Bracket SB82 has same backplate with longer outreach