HUDEVAD
RADIATOR DESIGN

EPECON
Inred med vacker värme

FIONIA HORIZONTAL

Datasheet

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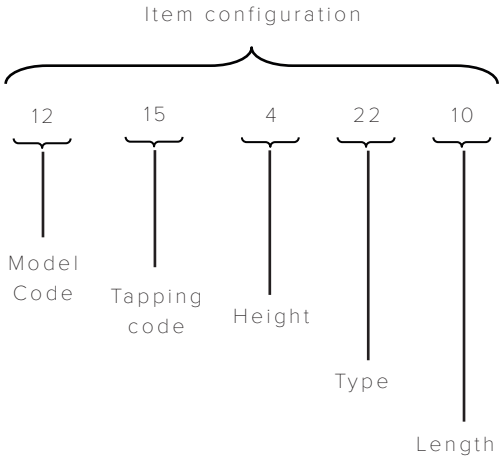
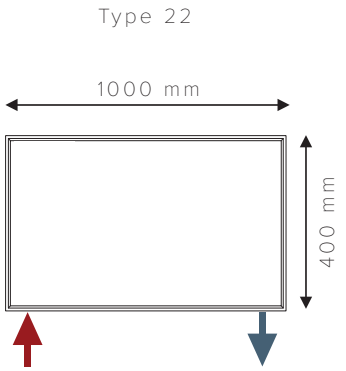
SPECIFICATION

HOW TO SPECIFY AN ITEM

Item number example 121542210





Note

Thermostat sensor head is not included in the product - should be ordered separately.
If no orientation is specified, products will be delivered as a RIGHT version.

Please also note that tapping code 15, 16, 17 and 18 are supplied as a kit that must be assembled on site.

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DESCRIPTION

Hudevad Fionia is a beautifully simplistic design radiator. It has a high level of convected heat and is quick to adapt temperatures due to low water content. Hudevad Fionia has a smooth rebated front plate, integrated detachable top grille and closed sides. It can be easily integrated into the interior of any room due to its clean and sleek design.

Material	Radiator casing: 2.00 mm steel according to EN10051 Heating element: steel panel according to EN442 Top grille: Powder coated steel
Test pressure	13 bar
Max. operating pressure	10 bar - in accordance with EN 442
Max. operating temperature	110°C
Warranty	10 years
Surface treatment	Pre-treatment by degreasing and steel phosphating. Powder coated in accordance with DIN 55900, EN 442. On the emitter the powder coating is preceded by primer coating.
Type	11, 22 and 33 (Selected types not available in all tapping configurations)
Height	300, 400, 500, 600, 700 & 900 mm For height 200 mm, please see Fionia Lowline
Length	400 to 2000 mm, in increments of 100 mm (Avaliablity of lengths varies depending of chosen tapping configuration and height)
Depth	62, 102 and 160 mm
Connections	All tappings 1/2” standard (adapters available) Tappings groups 13 and 14 also have 4 x 3/4” euroconus connections.
Installation	Hudevad wall mounted brackets, air vent, blind plug, screws and rawl plugs are included. Feet for floor mounting and other custom brackets to be ordered separately.
Mounting straps	2 pcs. mounting straps up to 1700 mm and 3 pcs. from 1800 mm
Colour	Powder coated in white RAL 9016, gloss 70 Option: Painted in other colours. Please see the Hudevad Radiator Design Colour Brochure at www.hudevad.com
Options	Anti tamper bracket and feet. For further options contact your local Hudevad sales agent.

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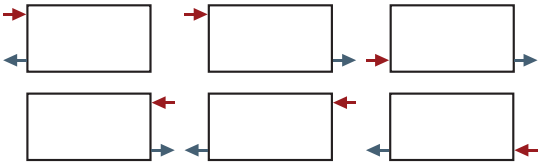
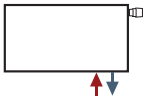
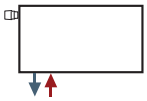
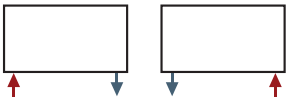
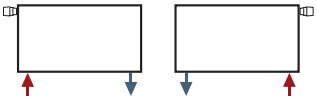
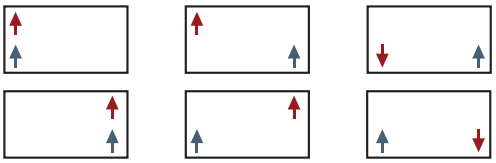
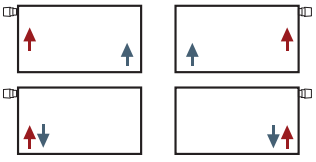
TAPPING OVERVIEW

Tapping code	Extended casing and kit	Tapping type	Tapping possibilities
10		ABCD (4 tap)	
11		FF built-in valve (6 tap right)	
12		EE built-in valve (6 tap left)	
13		Center tap R (8 tap right)	
14		Center tap L (8 tap left	
15	✓	E/F, no valve	
16	✓	E/F, with valve R/L	
17	✓	Hidden tappings, no valve	
18	✓	Hidden tappings, with valve R/L	

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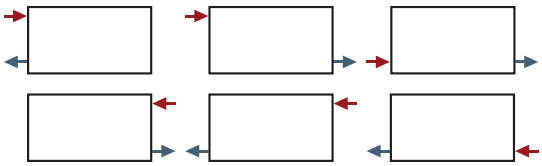
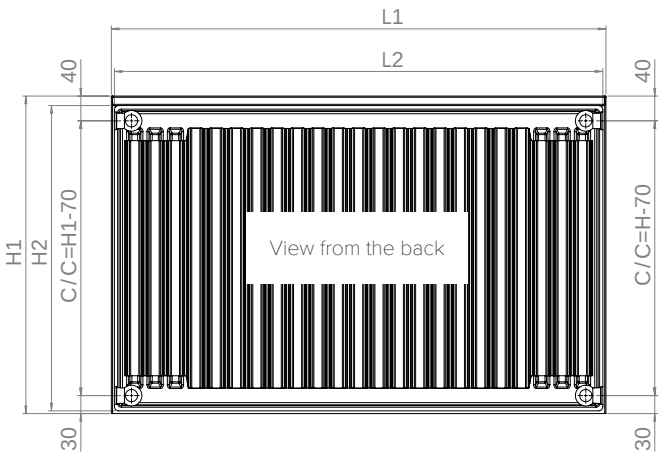
TAPPING CODE 10 - Tapping possibilities ABCD



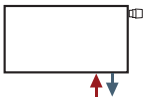
View from the front

H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	410-2010 mm	400-2000 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Drawing 5.1



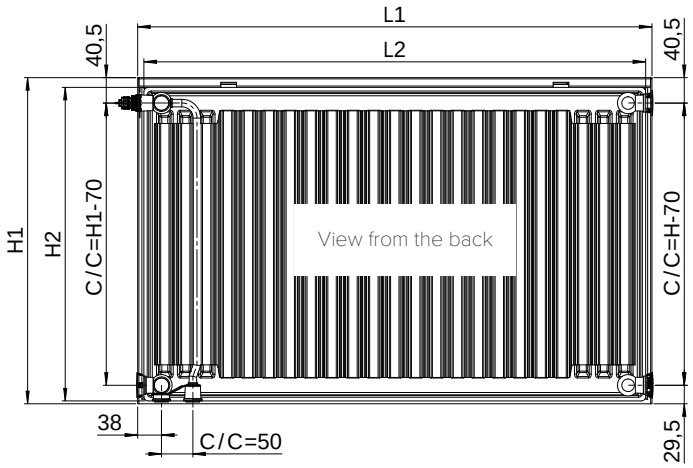
TAPPING CODE 11 - Tapping possibilities - FF built-in valve RIGHT



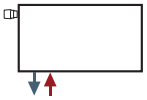
View from the front

H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	420-2020 mm	400-2000 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Drawing 5.2



TAPPING CODE 12 - Tapping possibilities - EE built-in valve LEFT

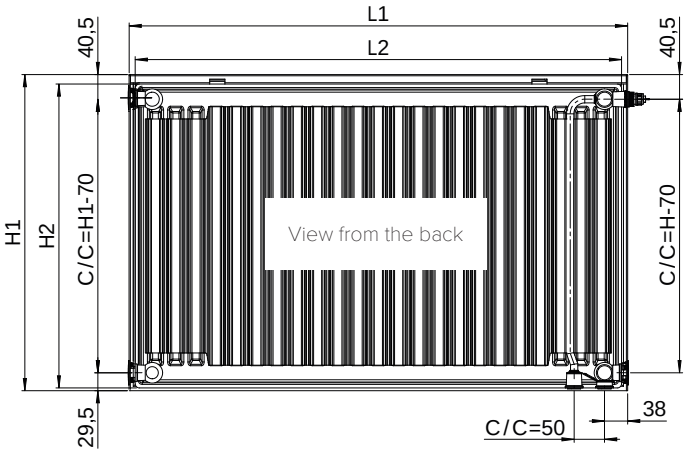


View from the front

H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	420-2020 mm	400-2000 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Note
Type 11 and 33 is not possible as a left version

Drawing 5.3



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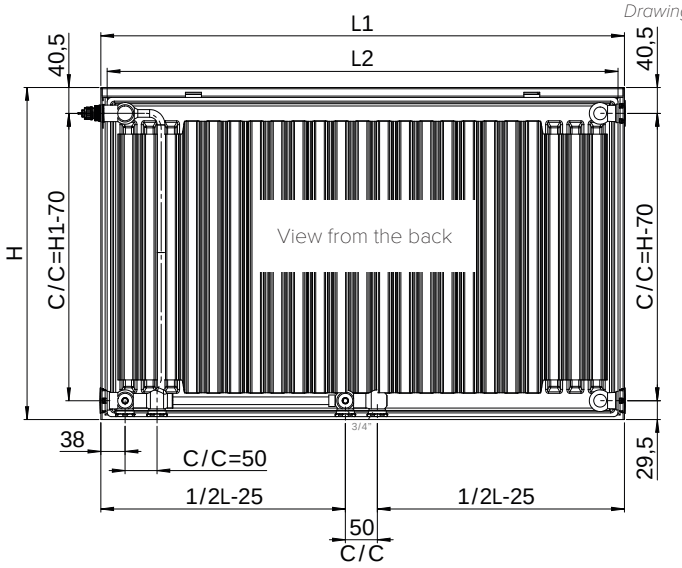
TAPPING CODE 13 - Tapping possibilities center tap RIGHT

View from the front

H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	420-2020 mm	400-2000 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Drawing 6.1



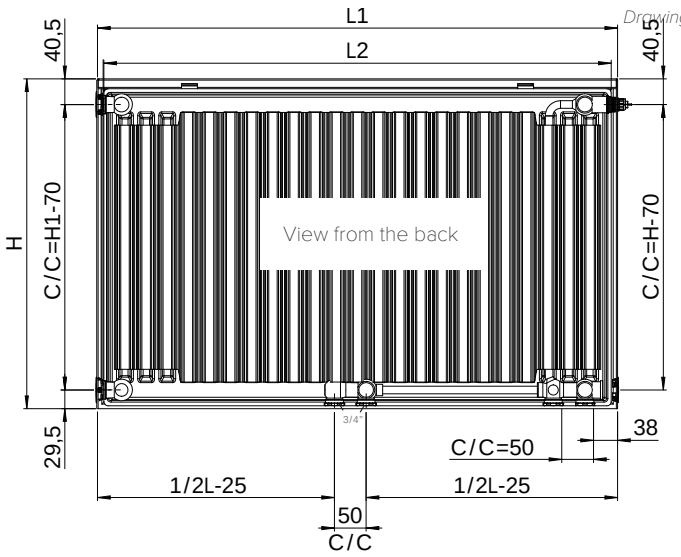
TAPPING CODE 14 - Tapping possibilities center tap LEFT

View from the front

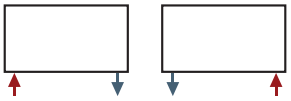
H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	420-2020 mm	400-2000 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Note
Type 11 and 33 is not possible as a left version

Drawing 6.2



TAPPING CODE 15 - Tapping possibilities E/F, no valve

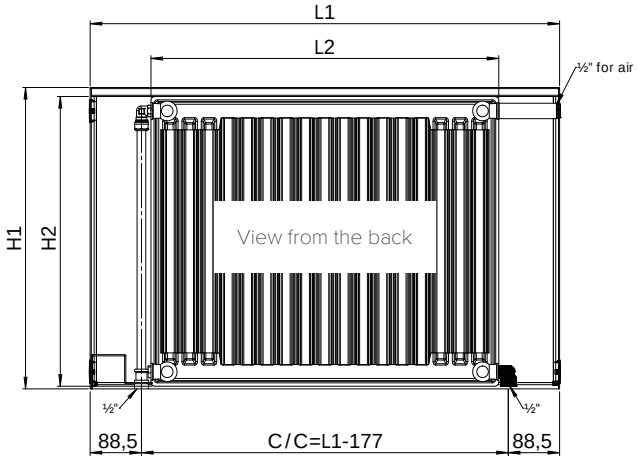


View from the front

H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	610-2010 mm	400-1800 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Tapping Code 15 is made using an extended casing (200 mm), offering concealed pipework with standard EU measurements

Drawing 6.3



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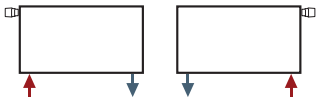
TAPPING CODE 16 - Tapping possibilities E/F, with valve R/L

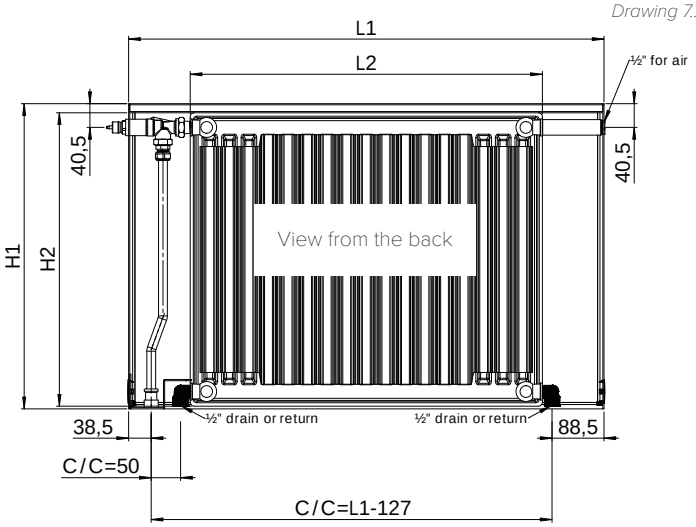


View from the front

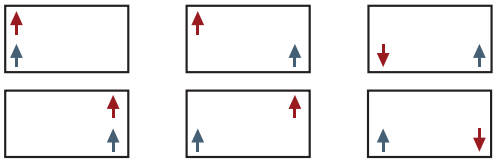
H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	610-2010 mm	400-1800 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Tapping Code 16 is made using an extended casing (200 mm), offering concealed pipework with standard EU measurements

Drawing 7.1



TAPPING CODE 17 - Tapping possibilities Hidden tapping, no valve

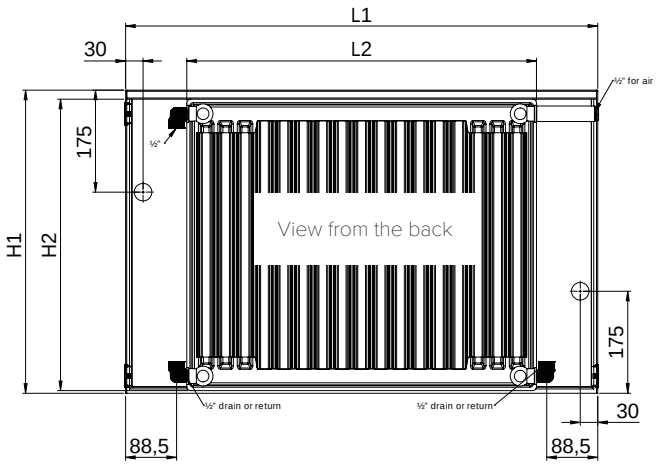


View from the front

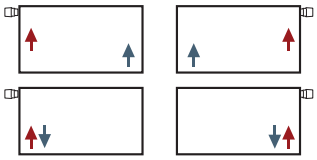
H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	610-2010 mm	400-1800 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Tapping Code 17 is made using an extended casing (200 mm), offering concealed pipework with standard EU measurements

Drawing 7.2



TAPPING CODE 18 - Tapping possibilities Hidden tapping, with valve R/L

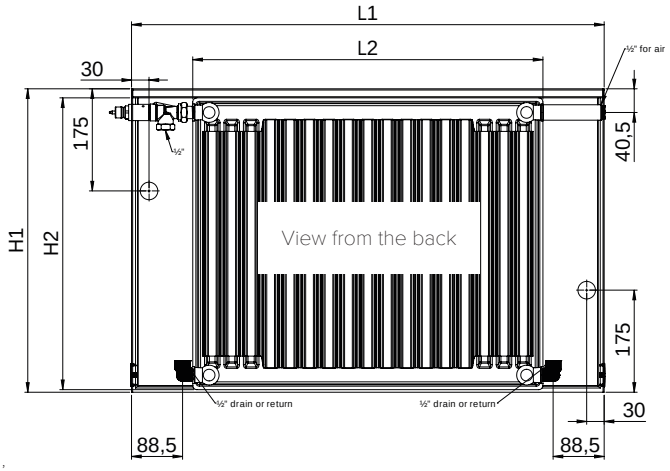


View from the front

H1, mm	H2, mm	L1, mm	L2, mm
320	300		
420	400	610-2010 mm	400-1800 mm
520	500	in	in
620	600	100 mm	100 mm
720	700	increments	increments
920	900		

Tapping Code 18 is made using an extended casing (200 mm), offering concealed pipework with standard EU measurements

Drawing 7.3



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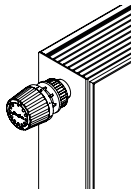
BUILT-IN VALVES

BUILT-IN VALVE



Drawing 8.1

Application

For use where a thermostatic valve is to be integrated within the radiator to offer discreet pipework and ease of installation. The thermostatic sensor of the valve is passed through a hole in the side of the radiator.

Built-in valve

Hudevad radiators with built-in valve is supplied with Danfoss RA-N valve.
Tapping codes 16 and 18 are supplied with spindle extenders.
Note: Spindle extenders to be dismounted for presetting.

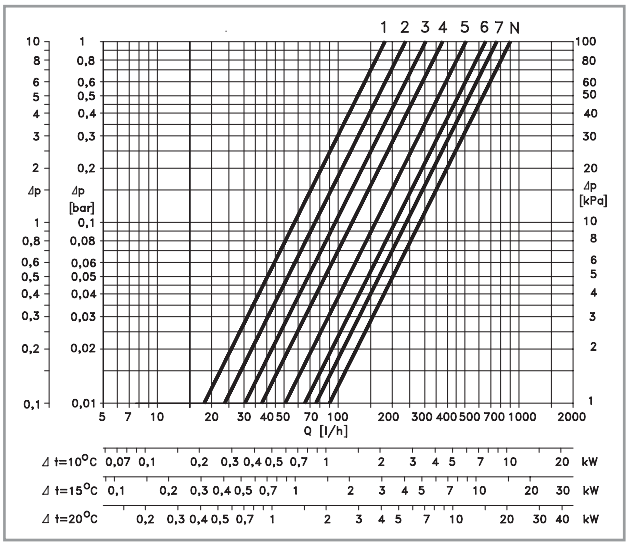
Drawing 8.2

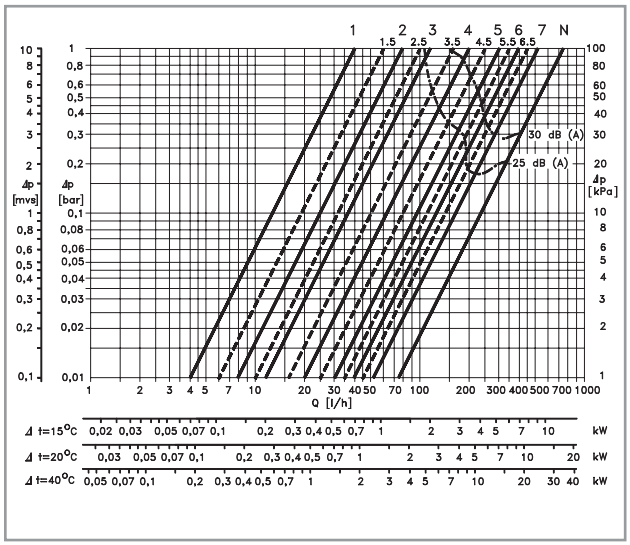
Tapping code 11, 12, 13 and 14
Built-in valve

Type	Code no.
RA-N	013G1382

Tapping code 16 and 18
Valve with presetting

Type	Code no.	Description
RA-N 15 UK	013G0153	Rp 1/2 - Horizontal angle





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HIDDEN TAPPINGS

Desciption

Hidden tappings embraces a simple, timeless design through a unique connection method that conceals all pipework. The radiators can be supplied for opposite end or same end connections. Flexhoses made of high density armored silicone are included from the factory. Extremely easy to clean due to the flat front and concealed pipework. The connections and the flex hoses are concealed behind the extended front plate. Only the air vent and the built-in valve are visible on the side of the radiator.

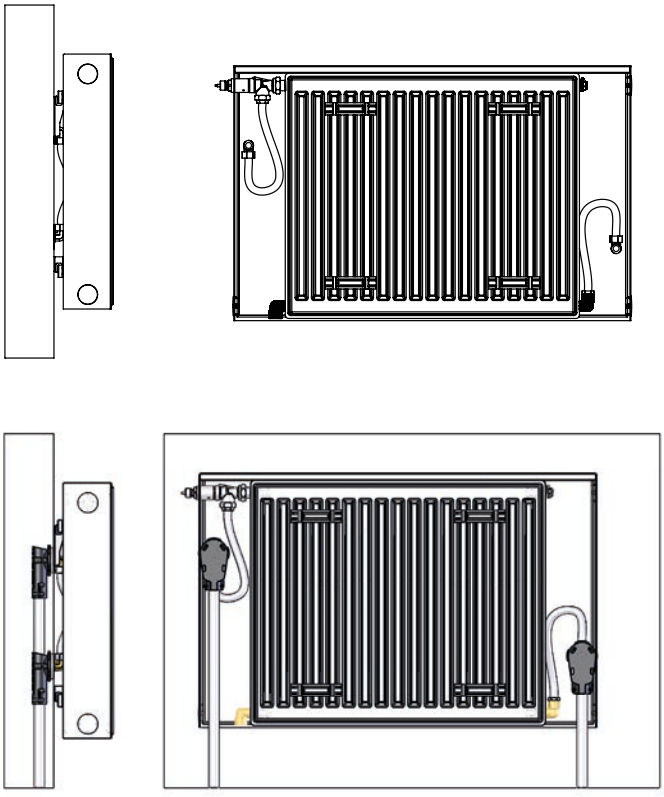
Installation

The flex hoses (provided by Hudevad) are installed between the concealed radiator connections and the wall outlets/PEX sockets fitted by the installer. The radiator can then be mounted using the usual wall brackets.

ILLUSTRATION OF FLEXHOSE PLACEMENT

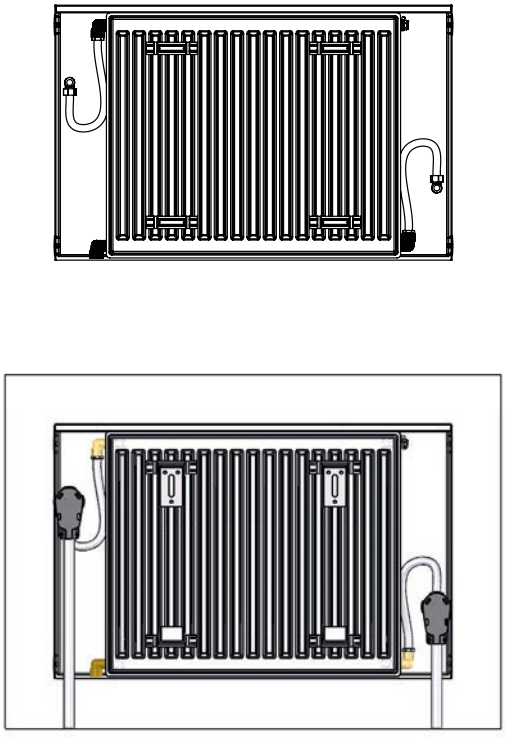
Drawing 9.1

Flexhoses with valve



With wall outlet/PEX socket

Flexhoses without valve



With wall outlet/PEX socket

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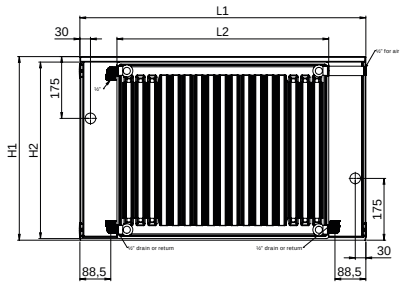
HIDDEN TAPPINGS

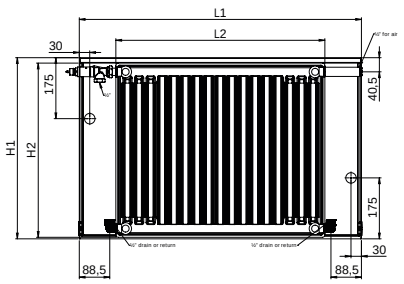
PLACEMENT OF WALL OUTLET/PEX SOCKET

Drawing 10.1

Tapping code 17 - Hidden tapping - no valve



Tapping code 18 - Hidden tapping, valve R/L



Note
Position of pipe outlets / PEX outlets: The flow pipe outlet / PEX socket should be placed closest to the desired flow tapping. Top left or right side is recommended. Likewise, the return pipe outlet / PEX socket should be placed closest to the desired return tapping. Bottom left or right side is recommended. The recommended placements are shown in drawing 9.1

For same side connection, the pipe or PEX outlets are placed on the same side, using the measurements from drawing 9.1.

OTHER OPTIONS

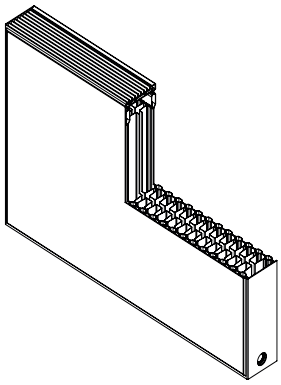
OTHER CONNECTIONS

Sometimes a build or location requires something out of the ordinary, so if you need a connection not mentioned in our tapping overview, then please contact our sales office at contact@hudevad.com and we will do our utmost to assist you.

ILLUSTRATIONS

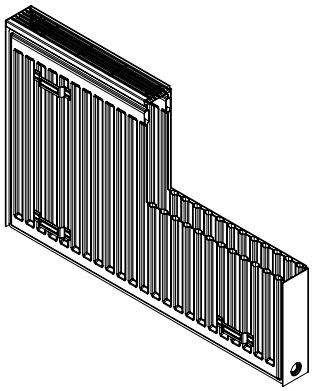
VIEW FROM THE FRONT

Drawing 11.1



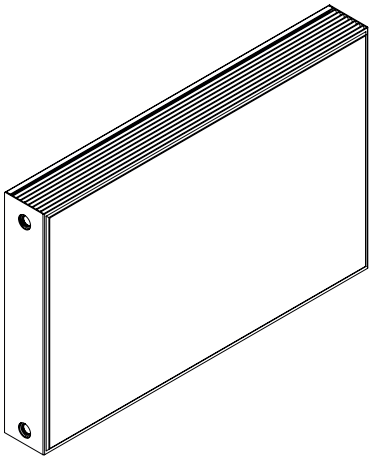
VIEW FROM THE BACK

Drawing 11.2



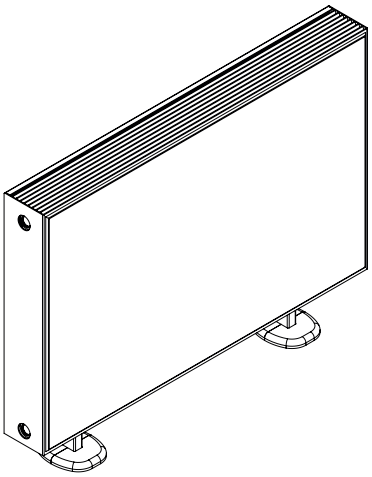
WALL MOUNTED

Drawing 11.3



FLOOR MOUNTED (OPTIONAL)

Drawing 11.4



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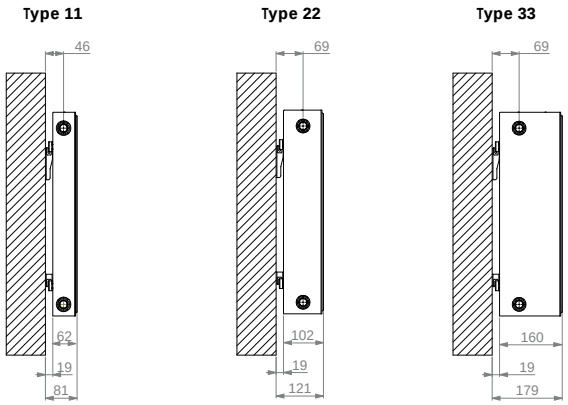
DIMENSIONS

TAPPING CODES WITH MOUNTING STRAPS

Drawing 12.1

10
15
16
17
18

Are all delivered with Hudevad standard brackets



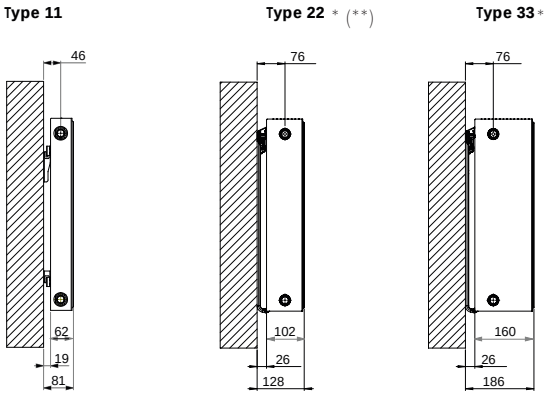
TAPPING CODES WITH AND WITHOUT MOUNTING STRAPS

Drawing 12.2

11
12
13
14

Type 11 is delievered with mounting straps.
All others will be delivered with
J brackets.

Wall distance for center tapping
(tapping code 13 and 14)
*Right-hand version = 65 mm
** Left-hand version = 85 mm (Type 22 only)



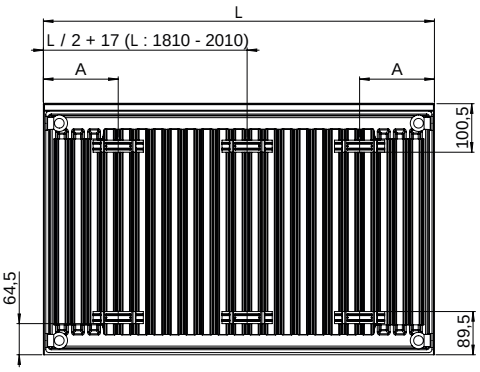
LOCATION OF MOUNTING STRAPS TAPPING CODE 10

Drawing 12.3

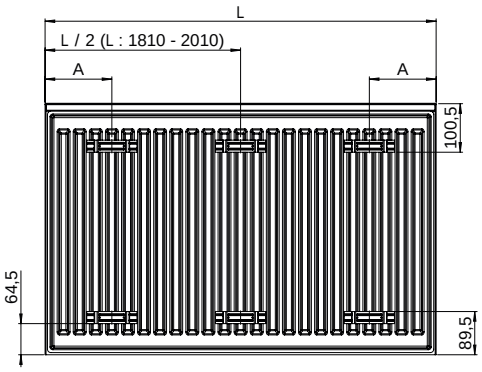
L	A
410	122
510-2010	155

L	A
410-2010	138

Type 11



Type 22-33



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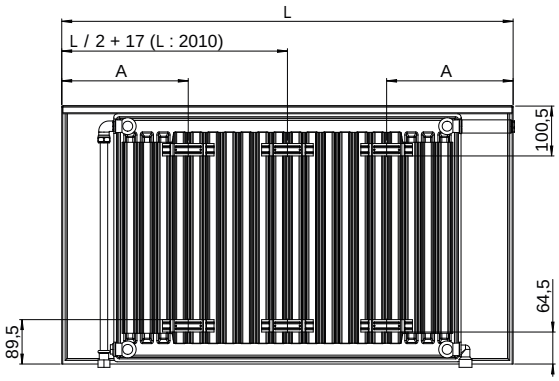
LOCATION OF MOUNTING STRAPS TAPPING CODE 15, 16, 17 AND 18

Drawing 13.1

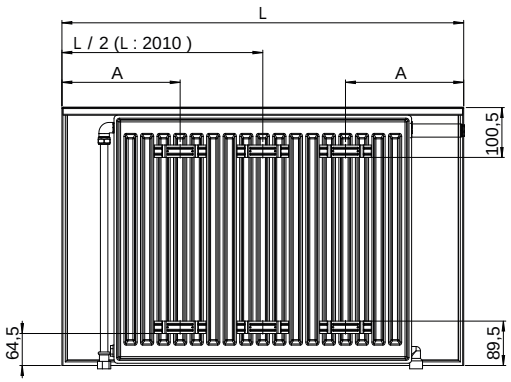
L	A
610	222
710-2010	255

L	A
610-2010	238

Type 11



Type 22-33



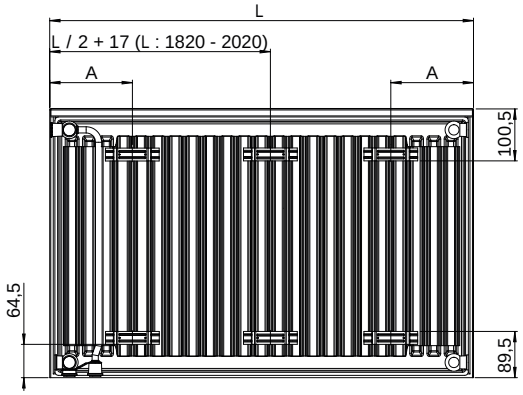
LOCATION OF MOUNTING STRAPS / J-BRACKET TAPPING CODE 11, 12, 13 AND 14

Drawing 13.2

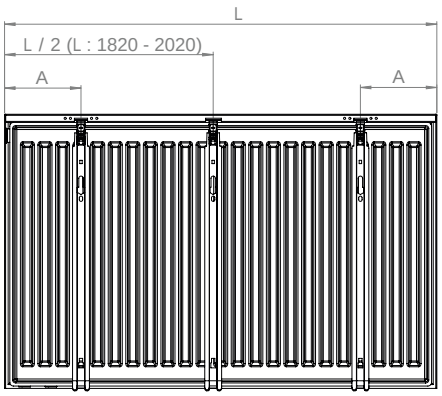
L	A
420	127
520-2020	160

L	A
420-2020	145

Type 11



Type 22-33



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FLOOR MOUNTED

Drawing 14.1

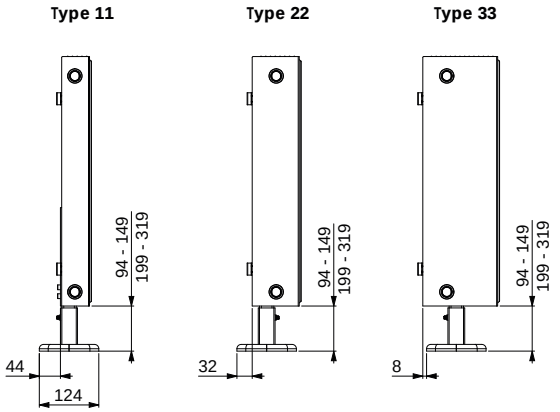
Adjustable Panel Radiator feet with cover

Suitable for heights 300, 400, 500 and 600 mm.

2 pcs. for length 400 – 1800 mm.
3 pcs. for length 1900 – 2000 mm.

Feet must be ordered separately.

Note:
Panel Radiator Feet can´t be mounted on center tap radiators (tapping codes 13 and 14)



FLOOR MOUNTED

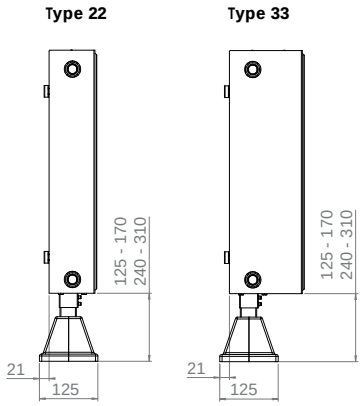
Drawing 14.2

Mounting feet with cover

Suitable for all heights.

2 pcs. for length 400 – 1800 mm.
3 pcs. for length 1900 – 2000 mm.

Feet must be ordered separately.



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OUTPUT

TAPPING CODE 10 - 14

FIONIA T11

Height, mm	Output W/metre 75°/65°/20°	Output W/metre 70°/40°/20°	Output W/metre 60°/30°/20°	Water content litres/ metre	Weight kg/ metre
300	470	300	196	1.81	14.0
400	614	390	254	2.30	18.7
500	746	473	308	2.77	23.3
600	870	552	359	3.23	28.0
700	987	626	407	3.70	32.7
900	1200	761	495	4.50	42.0

FIONIA T22

Height, mm	Output W/metre 75°/65°/20°	Output W/metre 70°/40°/20°	Output W/metre 60°/30°/20°	Water content litres/ metre	Weight kg/ metre
300	898	565	365	3.10	21.2
400	1153	724	467	4.13	28.3
500	1388	870	560	5.17	35.4
600	1601	1002	644	6.20	42.5
700	1796	1123	721	7.03	49.6
900	2132	1329	851	8.70	63.7

FIONIA T33

Height, mm	Output W/metre 75°/65°/20°	Output W/metre 70°/40°/20°	Output W/metre 60°/30°/20°	Water content litres/ metre	Weight kg/ metre
300	1287	809	522	5.40	30.2
400	1649	1034	666	6.63	40.2
500	1979	1238	795	7.87	50.3
600	2280	1423	912	9.10	60.3
700	2553	1591	1019	10.63	70.4
900	3022	1879	1200	13.70	90.5

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OUTPUT

TAPPING CODE 15 - 18 (EXTENDED CASING)

Note
Data is based on the emitter length, NOT total lenght.
Total length = emitter length + 200 mm

FIONIA T11

Height, mm	Output (emitter) W/metre 75°/65°/20°	W/metre 70°/40°/20°	W/metre 60°/30°/20°	Water content litres/ metre	Weight kg/ metre
300	470	300	196	1.81	16.0
400	614	390	254	2.30	21.4
500	746	473	308	2.77	26.7
600	870	552	359	3.23	32.0
700	987	626	407	3.70	37.4
900	1200	761	495	4.50	48.0

FIONIA T22

Height, mm	Output (emitter) W/metre 75°/65°/20°	W/metre 70°/40°/20°	W/metre 60°/30°/20°	Water content litres/ metre	Weight kg/ metre
300	898	565	365	3.10	23.3
400	1153	724	467	4.13	31.1
500	1388	870	560	5.17	38.9
600	1601	1002	644	6.20	46.7
700	1796	1123	721	7.03	54.5
900	2132	1329	851	8.70	70.0

FIONIA T33

Height, mm	Output (emitter) W/metre 75°/65°/20°	W/metre 70°/40°/20°	W/metre 60°/30°/20°	Water content litres/ metre	Weight kg/ metre
300	1287	809	522	5.40	32.6
400	1649	1034	666	6.63	43.4
500	1979	1238	795	7.87	54.3
600	2280	1423	912	9.10	65.1
700	2553	1591	1019	10.63	76.0
900	3022	1879	1200	13.70	97.7

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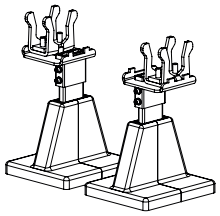
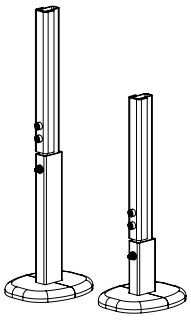
ACCESSORIES

FEET

Drawing 17.1



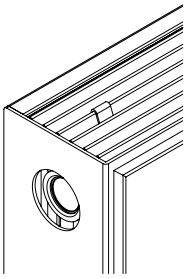
Mounting feet



Panel radiator feet

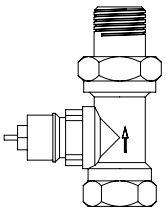
ANTI TAMPER BRACKET FOR GRILL

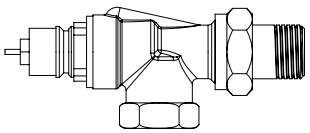
Drawing 17.2

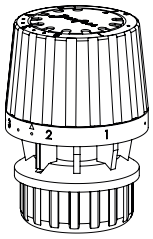


DANFOSS ACCESSORIES

Drawing 17.3







Hudevad recommends use of Danfoss accessories when fitting the radiator.
For further accessories please refer to the Hudevad Pricelist.