



## Index



5.0

## Product description



5.1

## Technical specifications



5.2

## Mounting



5.3

## Built-in valve



5.4

## Individual radiators



5.5

## Accessories



5.6

## Standard specification clauses



5.7

## Maintenance



5.8





P5/P5K

## Features

- Elegant, low profile design with compact footprint
- Discreet appearance to compliment any architecture
- Extremely robust and durable without any clip on grilles or side panels
- Easy to clean due to flat front
- P5/P5K suitable for mounting at floor or high level
- P5 suitable for ceiling heating
- Creates a continuous appearance when used with Horizon panels
- Extensive range of P5K stock sizes available
- Electric element option available



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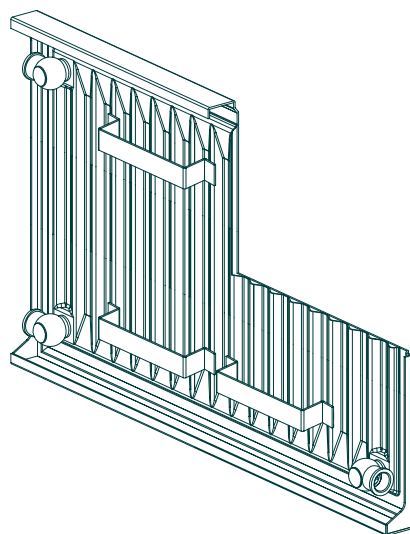
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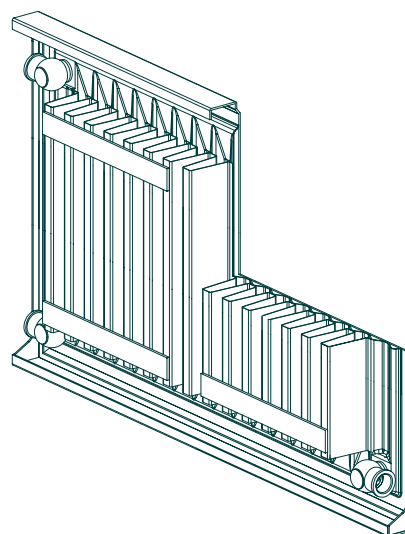
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## Product description

### P5 and P5K



P5 with cutaway to show waterway, rear view



P5K with cutaway to show waterway, rear view

#### Description

Smooth, flat rebated front plate with solid top and bottom with pressed steel vertical waterways. P5K has convective fins welded on the rear. Water circulates directly behind the front plate.

#### Material

Front plate: 2.00 mm steel to DIN 1614, EN 10051  
Rear plate: 1.25 mm steel EN 10130  
P5K convective fins: 0.50 mm steel EN 10130

#### Test pressure

10 bar

#### Max. operating pressure

7.7 bar in accordance with EN 442

#### Max. operating temperature

95° C

#### Surface treatment

Pre-treatment:  
• Degreasing and iron-phosphating  
Priming:  
• Primed with water based paint in pale grey colour  
Paint finish:  
• White RAL 9010: Powder PE, gloss approx. 50%  
• Other colours: Powder painted as above or wet painted, gloss approx. 50%  
• Surface treatment in accordance with DIN 55900 and EN 442

#### Output

See output tables page 5.2.1



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Fig. 5.1.1  
Height and length

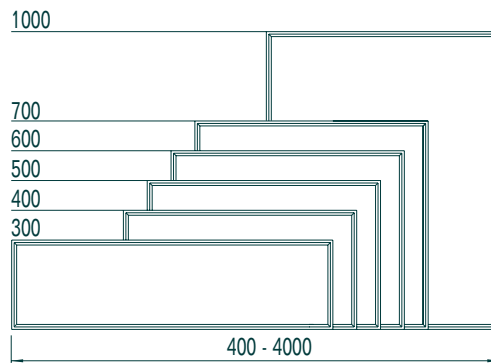


Fig. 5.1.2  
P5, profile

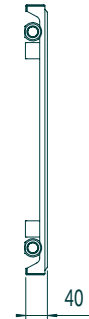
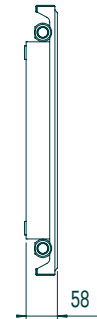


Fig. 5.1.3  
P5K, profile



<b>Length</b>	P5/P5K: 400-4000 mm, in sectional increments of 33.33 mm
<b>Height</b>	P5/P5K: 300, 400, 500, 600, 700 and 1000 mm
<b>Depth</b>	P5: 40 mm P5K: 58 mm
<b>Tappings</b>	1/2" standard, adapter for 3/8" and 3/4" available on request.
<b>Mounting</b>	Wall or floor mounted, see pages 5.3.1 - 7 Brackets with coach screws, wall plugs and washers are included, see page 5.3.1 Air vent is supplied, see page 5.6.9
<b>Colour</b>	Powder coated in white RAL 9010  Option: Painted in other standard RAL and BS colours <b>VARIANT</b>
<b>Packing</b>	Packed securely in environmentally friendly materials.  Mounting is possible without unpacking, for protection. <b>NOTE:</b> Max. flow temperature when using before unpacking of radiator is 70°C
<b>Optional extras (Variant or Individual)</b>	<ul style="list-style-type: none"> <li>• Built-in valve, see pages 5.4.1 - 3</li> <li>• Angled, see pages 5.5.1 - 2</li> <li>• Horizon infill and end panel system, see pages 5.6.1 - 8</li> </ul>



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# Technical specifications

## P5 and P5K

### Output

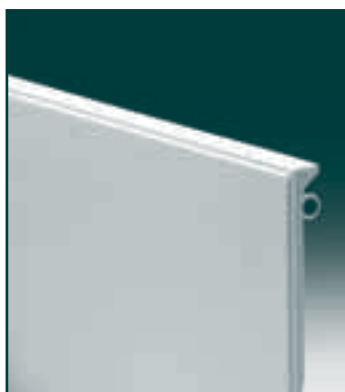
Table 5.2.1

P5 Height mm	Output			Water content		Weight	
	W/metre 75/65-20	W/metre 90/70-20	W/section 90/70-20	litres/ metre	litres/ section	kg/ metre	kg/ section
300	321	435	14.5	0.8	0.03	9.0	0.30
400	411	553	18.4	1.0	0.03	11.6	0.39
500	500	667	22.2	1.3	0.04	14.2	0.47
600	585	775	25.8	1.5	0.05	16.8	0.56
700	669	879	29.3	1.7	0.06	19.4	0.65
1000	936	1199	40.0	2.5	0.08	26.7	0.89

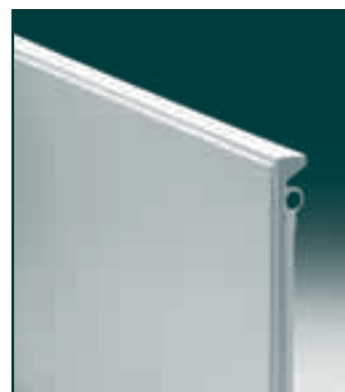
Table 5.2.2

P5K Height mm	Output			Water content		Weight	
	W/metre 75/65-20	W/metre 90/70-20	W/section 90/70-20	litres/ metre	litres/ section	kg/ metre	kg/ section
300	515	656	21.9	0.8	0.03	11.0	0.37
400	626	801	26.7	1.0	0.03	14.6	0.49
500	728	935	31.2	1.3	0.04	18.3	0.61
600	824	1060	35.3	1.5	0.05	22.0	0.73
700	915	1181	39.4	1.7	0.06	25.6	0.85
1000	1200	1563	52.1	2.5	0.08	36.5	1.22

### Tapping designation



P5 with side tapping



P5K with side tapping

Fig. 5.2.3  
Tapping designation

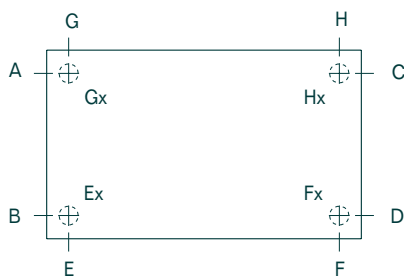
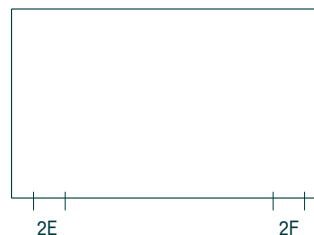


Fig. 5.2.4  
Tapping designation, 2E and 2F



## Side Tappings A, B, C, D

### Sizes

1/2" standard, adapter for 3/8" and 3/4" available on request

### Positions

Fig. 5.2.5  
3/8", 1/2" (internal)

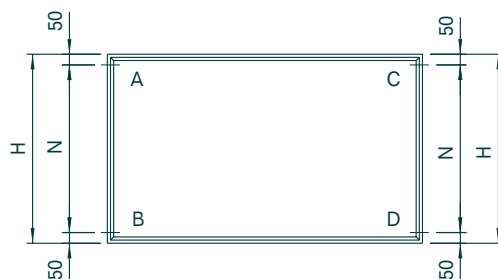


Fig. 5.2.6  
3/4" (external)

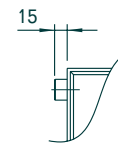
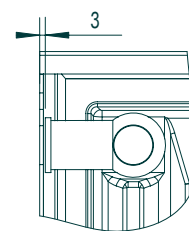


Fig. 5.2.7



Where radiators exceed 2000 mm, and same-side tappings are required, (A-B or C-D), a rear return tube will be factory-fitted to ensure optimum water flow.

Table 5.2.8  
Centre distance N for A, B, C, D tappings

Radiator height H, mm	Centre distance N, mm
300	200
400	300
500	400
600	500
700	600
1000	900

Fig. 5.2.9  
P5, profile

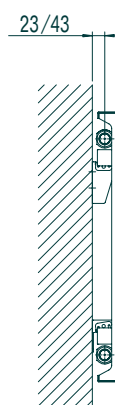
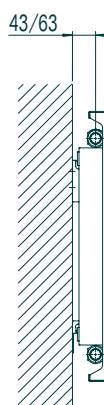


Fig. 5.2.10  
P5K, profile



### Horizon infill and end panels

Radiators for Horizon infill and end panels (see pages 5.6.1 - 8) will be factory fitted with special Horizon extended tappings. If Horizon is required please state when ordering radiators.

**NOTE:** 3/8" and 3/4" tappings cannot be used with Horizon infill and end panels



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# Technical specifications

P5 and P5K

## Top and bottom tapplings E, F, G, H, 2E, 2F

VARIANT

### Sizes

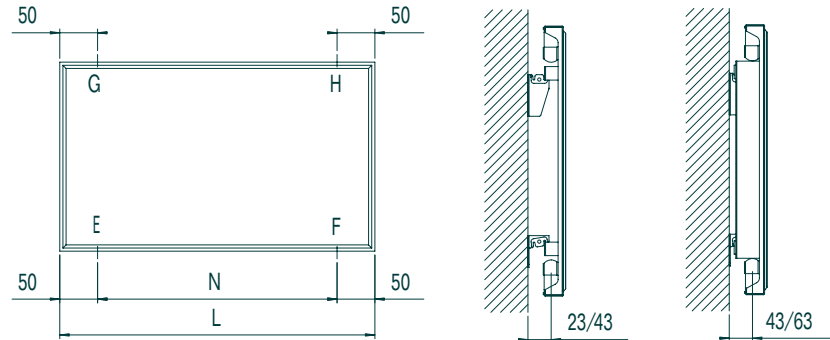
1/2" standard, 3/8" variant. 3/4" not available

### Positions

Fig. 5.2.11  
Top and bottom tapplings

Fig. 5.2.12  
P5, profile

Fig. 5.2.13  
P5K, profile



Centre distance N for E-F and G-H tapplings is calculated as:  
Radiator length L – 100 mm

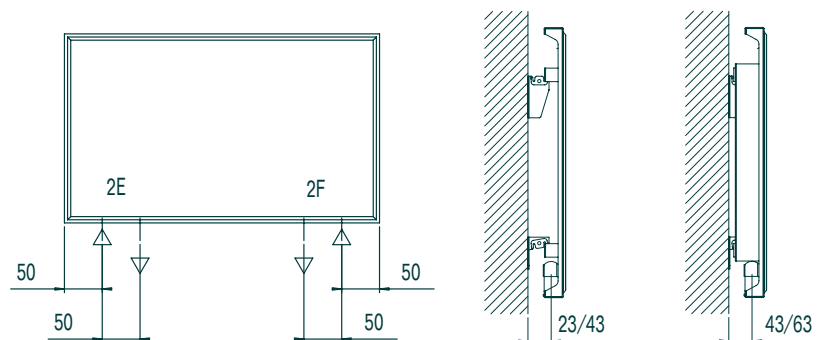
Where radiators exceed 2000 mm, and same-side tapplings are required, (G-E or H-F), a rear return tube will be factory-fitted to ensure optimum water flow.

For G and H top connections the radiator will always be supplied with a rear vertical return tube to ensure optimum water flow - please contact Hudevad.

Fig. 5.2.14  
2E and 2F tapplings

Fig. 5.2.15  
P5, profile

Fig. 5.2.16  
P5K, profile



**NOTE:** Flow is always placed in the outer tapping.

### Other options

Other options can be supplied as individual solutions - please contact Hudevad.

INDIVIDUAL

### Rear tapplings Ex, Fx, Gx, Hx

**VARIANT**

#### Sizes

1/2" standard, 3/8" variant. 3/4" not available

#### Positions

Fig. 5.2.17  
Rear tapplings

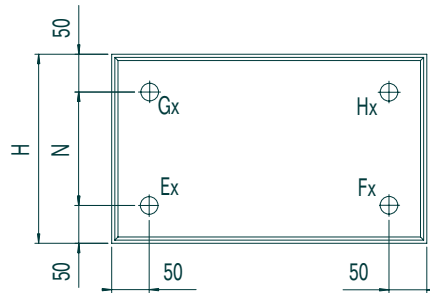


Fig. 5.2.18  
P5, profile

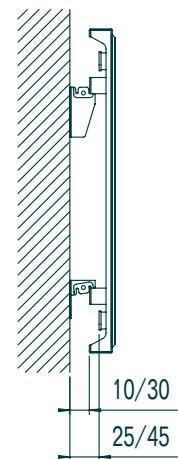


Fig. 5.2.19  
P5K, profile

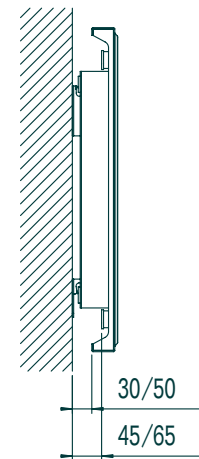


Table 5.2.20  
Centre distance N for Gx-Ex and Hx-Fx tapplings

Radiator height H, mm	Centre distance N, mm
300	200
400	300
500	400
600	500
700	600
1000	900

Horizontal centre distance for Gx-Hx and Ex-Fx is calculated as:  
Radiator length L – 100 mm

For optimum performance we recommend Gx-Fx or Hx-Ex.

Consideration should be given to the positioning of valves, if rear tapplings are ordered.

#### Other option

Rear tapplings can be tailored to your requirements.

**INDIVIDUAL**

### Water resistance

Maximum expected pressure loss - calculated from the largest possible radiator.									
Water temperature - flow	$t_f$	°C	75	70	70	65	90	55	
Water temperature - return	$t_r$	°C	65	40	55	35	70	45	
At P5: H = 1000 mm and L = 4000 mm									
Pressure loss		kPa	1.04	0.05	0.28	0.04	0.42	0.25	
At P5K: H = 1000 mm and L = 4000 mm									
Pressure loss		kPa	1.73	0.08	0.49	0.05	0.70	0.42	

Pressure losses for other heights/lengths can be approximated on a proportional basis

# Mounting

## P5 and P5K

### Bracket BP10/30

Accessory for

P5 and P5K, supplied unless otherwise stated.

Construction

Bracket and spacer in galvanised mild steel with nylon inserts for noise suppression. Coach screws, wall plugs and washers are included. Optional wall distance: 10 or 30 mm to the rear of the radiator.

Fig. 5.3.1  
Bracket BP10/30

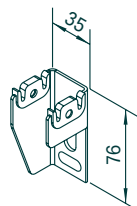


Fig. 5.3.2  
Bracket BP10/30

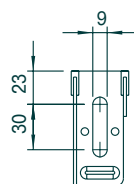
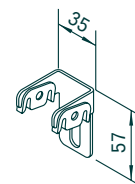


Fig. 5.3.3  
Spacer for bracket BP10/30



**NOTE:** For tamperproof installation the spacer should be fixed to the wall, see page 5.3.2

Dimensions

P5/P5K: All radiator heights 300 - 700 & 1000 mm

Fig. 5.3.4  
P5, profile

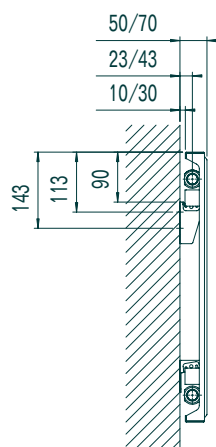


Fig. 5.3.5  
P5K, profile

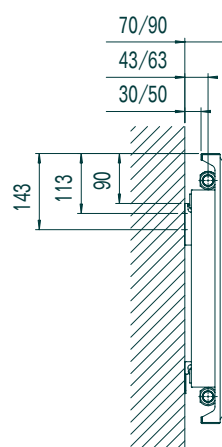
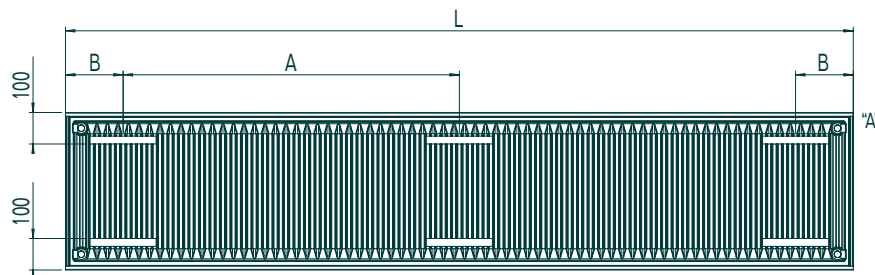


Fig. 5.3.6

P5/P5K, all radiator heights 300 - 700 & 1000 mm, position of goal posts/rails, rear view



If no. of brackets is 3 or more and uneven no. of sections, the rail in the middle is displaced 17 mm towards tapping "A".

Table 5.3.7  
P5/P5K, position of goal posts/rails and no. of brackets

Radiator length L, mm	No. of sections	No. of brackets/spacers /goal posts	A mm	B mm
400-600	12-18	2/2/2	-	L/2
633-1800	19-54	2/2/4	L-360	180
1833-3600	55-108	3/3/6	(L-360)/2	180
3633-4000	109-120	4/4/8	(L-360)/3	180

### Tamperproof installation

Spacer can be used for tamperproof installation of radiator, see fig. 5.3.8 - 10

Fig. 5.3.8  
Loosely mounted spacer

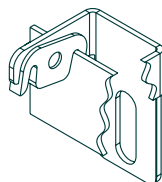


Fig. 5.3.9  
Fixed spacer, elevated for fixing

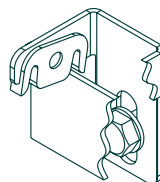
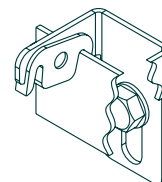


Fig. 5.3.10  
Spacer in fixed position



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# Mounting

P5 and P5K

## Adjustable brackets

**BP28-70, BP48-90, BP68-110**

**VARIANT**

### Accessory for

P5 and P5K.

### Application

For use where variable wall distance is required, or where uneven walls prevent the use of fixed brackets.

### Construction

Bracket in galvanised mild steel with nylon inserts for noise suppression. Spacer in galvanised mild steel with adjuster screw. Coach screws, wall plugs and washers are included.

Fig. 5.3.11  
Bracket BP28-70,  
BP48-90 and BP68-110

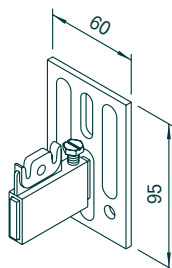


Fig. 5.3.12  
Bracket BP28-70,  
BP48-90 and BP68-110

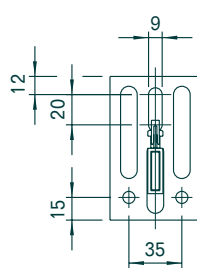
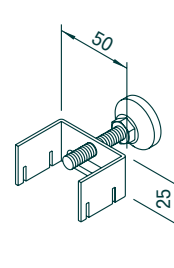


Fig. 5.3.13  
Spacer for brackets  
BP28-70, BP48-90 and BP68-110



### Dimensions

Fig. 5.3.14  
P5, radiator height  
300 - 700 & 1000 mm, profile

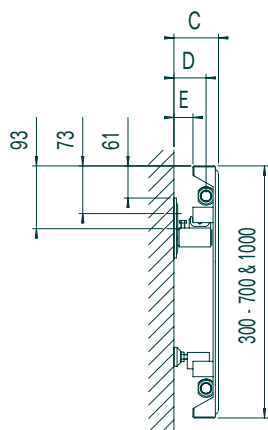


Fig. 5.3.15  
P5K, radiator height  
300 - 700 & 1000 mm, profile

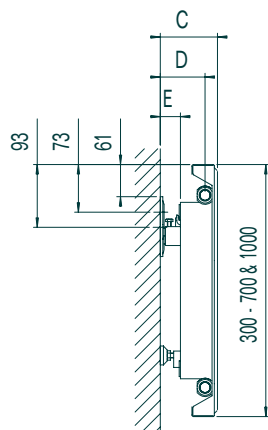


Table 5.3.16  
P5, wall dimensions

Bracket	C, mm	D, mm	E, mm
BP28-70	68-110	41-83	28-70
BP48-90	88-130	61-103	48-90
BP68-110	108-150	81-123	68-110

Table 5.3.17  
P5K, wall dimensions

Bracket	C, mm	D, mm	E, mm
BP28-70	88-130	61-103	28-70
BP48-90	108-150	81-123	48-90
BP68-110	128-170	101-143	68-110

### Position of goal posts/ rails and no. of brackets

See pages 5.3.1 - 2

Adjustable feet  
PR

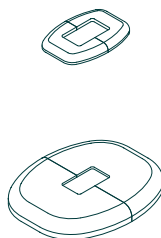
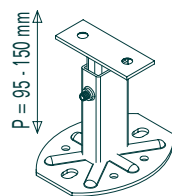
VARIANT



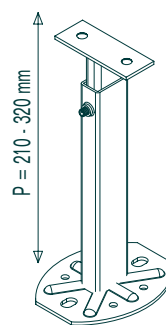
P5/P5K with adjustable feet

Fig. 5.3.18

PR feet, low



PR feet, high



Accessory for

P5/P5K

Application

For areas where wall-mounting is not possible, i.e. in front of windows etc.

Colour

RAL 9010 (same as radiator)

Fig. 5.3.18/A  
P5 with feet PR, profile

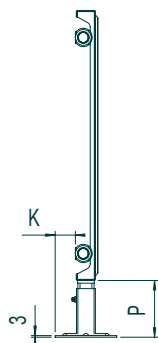


Fig. 5.3.18/B  
P5K with feet PR, profile

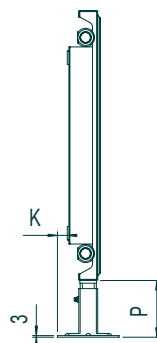
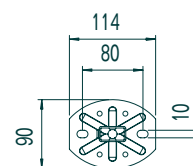


Fig. 5.3.18/C  
Foot plate for feet PR,  
plan view



**NOTE:** If rose fitted add 5 mm each side  
Smallest wall distance is K + thickness of skirting, see table 5.3.18/D

Table 5.3.18/D  
Distance K for foot plate

Depth, mm	K, mm
40	37
58	21



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5.3



5.4



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# Mounting

## P5 and P5K

### Position and no. of feet

Fig. 5.3.19  
Radiator with 2 feet

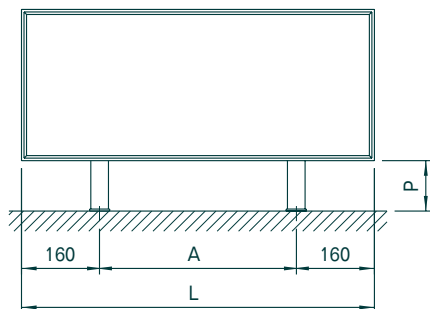


Fig. 5.3.20  
Radiator with 3 feet

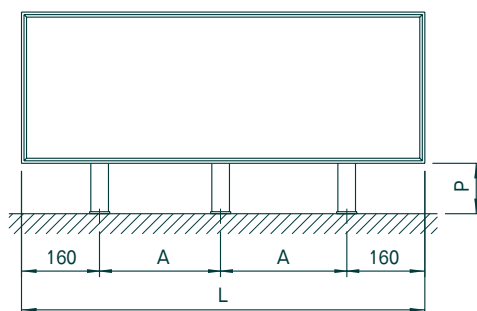


Fig. 5.3.21  
Radiator with 4 feet

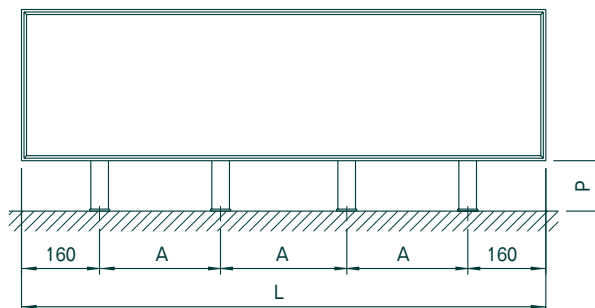


Table 5.3.22  
Position and no. of feet

Radiator length L, mm	No. of sections	No. of feet	A mm
400-600	12-18	2	-
633-1800	19-54	2	L-320
1833-3600	55-108	3	$(L-320)/2$
3633-4000	109-120	4	$(L-320)/3$

**NOTE:** Hudevad do not recommend the use of feet for heights 700 and 1000 mm, without additional top restraints being used.

**Console feet**  
**FH3-FH7 & FH10**

**VARIANT**



P5/P5K with console feet FH

**Accessory for**

P5/P5K

**Application**

For use where wall mounting is not possible. The foot plate can be fixed through a raised floor or embedded in concrete. Console feet allows the radiator to be adjusted in height.

**Colour**

Upright and foot plate: Powder coated in white RAL 9010  
Adjustable collars: Galvanised

**Dimensions**

Fig. 5.3.23  
FH3-7 & FH10 for P5,  
profile

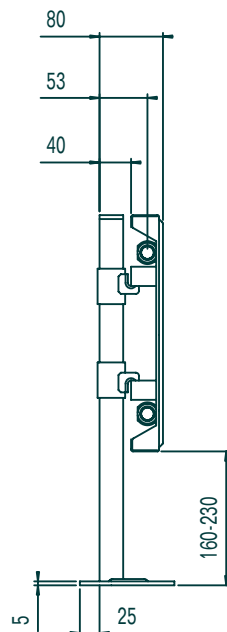


Fig. 5.3.24  
FH3-7 & FH10 for P5K,  
profile

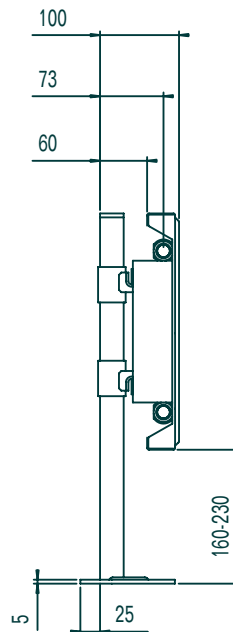
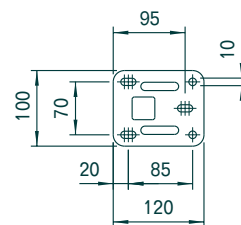


Fig. 5.3.25  
FH3-7 & FH10, foot plate,  
plan view



**NOTE:** If a greater or lesser height from the floor is required, taller or shorter feet FH can be selected, e.g. FH7 for radiator height 600 mm.

**Other feet**

Individual solutions



## Mounting

### P5 and P5K

#### Position of rails/goal posts

See pages 5.3.1 - 2

#### No. of feet and type

Table 5.3.26  
No. of feet FH

Radiator length L, mm	No. of sections	No. of feet
400-1800	12-54	2
1833-3600	55-108	3
3633-4000	109-120	4

Table 5.3.27  
Type of feet FH

Radiator height H, mm	Height of feet, mm	Type of feet
300	460	FH3
400	560	FH4
500	660	FH5
600	760	FH6
* 700	860	FH7
* 1000	1160	FH10

**\* NOTE:** Hudevad do not recommend the use of feet for heights 700 and 1000 mm, without additional top restraints being used.

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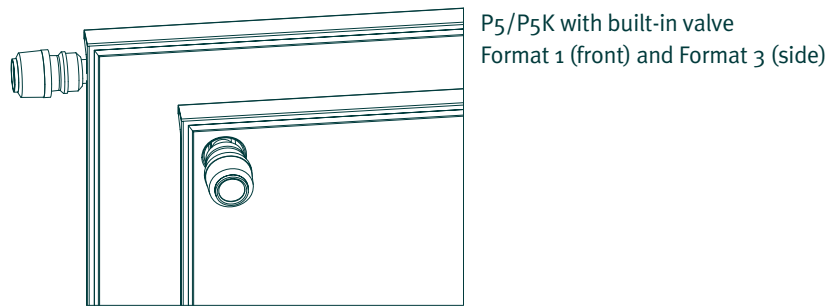
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**Built-in valve**

VARIANT



**Application**

For use where a thermostatic valve is to be integrated within the radiator, where discreet pipework is required or for the ease of installation.

**Construction**

The valve and associated pipework are fitted behind the radiator. On P5K the number of convector fins is reduced to accommodate the built-in valve, resulting in a total output loss of approx 30-50 watts depending on height. The sensor head projects through a hole in front of the radiator (Format 1) or the side of the radiator (Format 3). A special integrated valve with pre-setting for limiting the maximum water flow is used.

There are different valve head options to suit the following valve bodies:

- 1: Danfoss type RA-N Integrated valve body to suit Danfoss heads having click-on coupling.
- 2: Danfoss type RA-N Integrated valve body, with M30 x 1.5 mm connection thread adapter, to suit Oventrop, Heimeier, MNG, Drayton and Honeywell sensors.

**NOTE:** Built in valves are only available in 1/2". Please note the built in thermostatic valve does not isolate the radiator, additional isolation and lockshield valves are still required.

**Tappings**

Formats 1 and 3 all have 1/2" tappings. Formats 1 and 3 combinations 2E, 2F or E-F can be ordered. The airvent will be opposite the built-in valve.

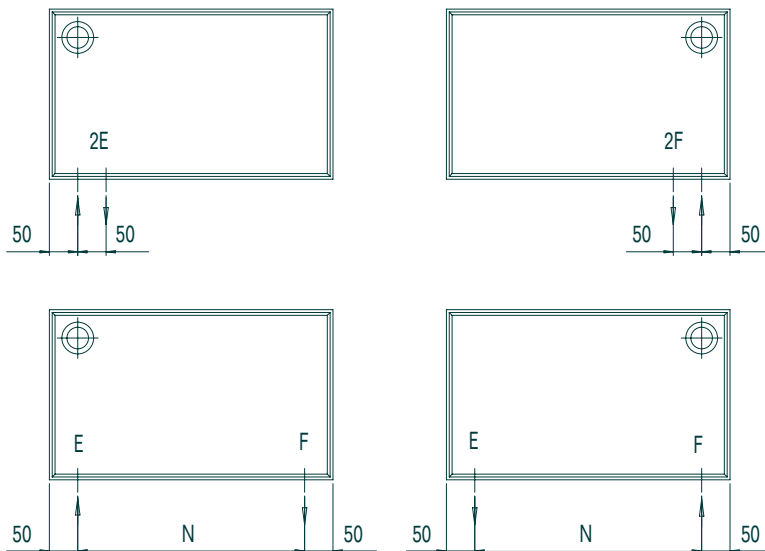
**Position of goal posts/rails**

See pages 5.3.1 - 2

**Format 1**

Sensor head through front plate and 1/2" downward facing tappings

Fig. 5.4.1  
P5 and P5K, built-in valve  
Format 1



Centre distance N is calculated as: Radiator length – 100 mm



# Built-in valve

*P5 and P5K*

Fig. 5.4.2  
P5, built-in valve Format 1, profile

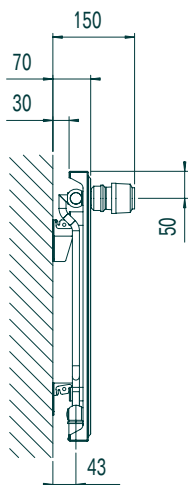
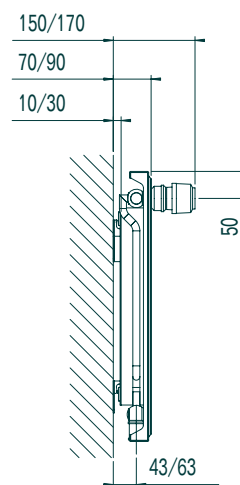


Fig. 5.4.3  
P5K, built-in valve Format 1, profile



**NOTE:** Measurements are for Danfoss sensor head RA 2990.



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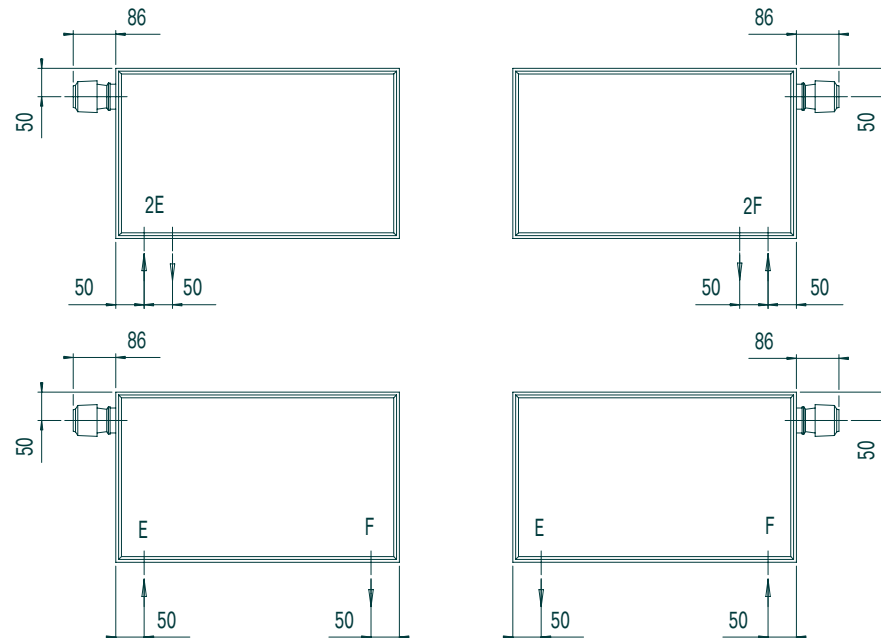
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**Format 3**

Sensor head, side-facing and 1/2" downward facing tappings

**VARIANT**

Fig. 5-4.4  
P5 and P5K, built-in valve Format 3



**NOTE:** Measurement is for Danfoss sensor head RA 2990.

Fig. 5-4.5  
P5, built-in valve Format 3, profile

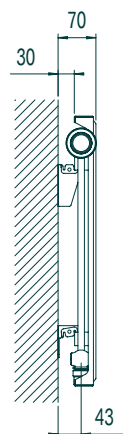
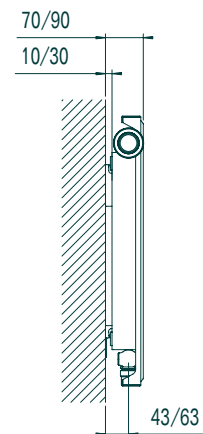


Fig. 5-4.6  
P5K, built-in valve Format 3, profile



**NOTE:** Min. wall distance for P5 is 30 mm

**Ordering**

When ordering please state the built-in valve format, type of sensor head connections, position of valve - left or right hand - and the tapping requirements.  
Example: P5 500/40 - 2000, Format 1, Danfoss, left, 1/2" E & F

**For other sensor heads**

Please contact Hudevad.

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- 2 —
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- 5.4
- 5.5
- 5.6
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## Individual radiators

P5 and P5K

### Angled radiators

INDIVIDUAL



P5 angled

#### Description

All P5 and P5K radiators can be supplied angled. Tapping designations follow the same principles as for straight radiators.

Min. internal angle V:  $45^\circ$

Max. external angle V:  $270^\circ$

Max. 3 angles per radiator

Max. radiator size: Angled radiators must fit within an area of 2000 mm x 4000 mm

#### Built-in valve

See page 5.4.1 - 3

**NOTE:** Min. length of side where valve is to be built-in: 200 mm (= 6 sections)

Fig. 5.5.1  
External angle

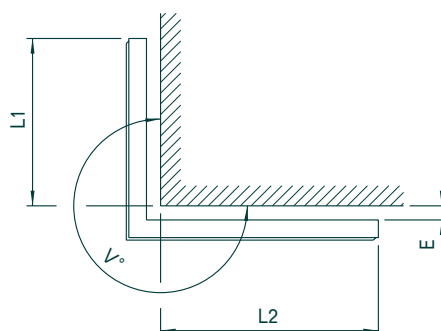


Fig. 5.5.2  
Internal angle

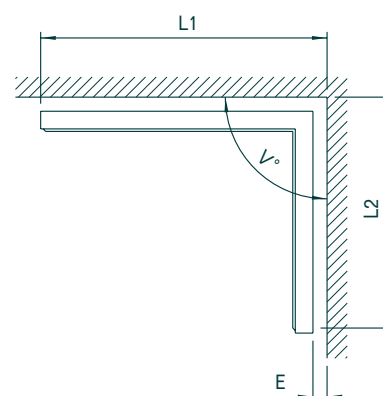
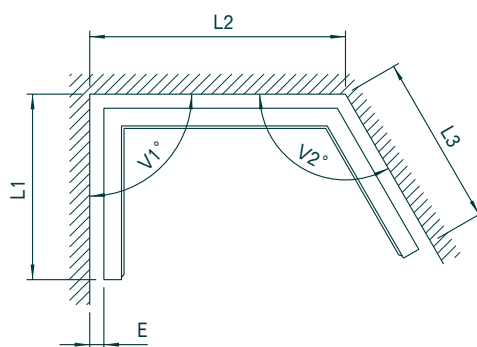


Fig. 5.5.3  
2 internal angles





<b>Ordering requirements</b>	<p>Please state:</p> <ul style="list-style-type: none"> <li>• The wall measurements L1, L2 etc. in mm and radiator length</li> <li>• Angle V in increments of 0.1°</li> <li>• The wall distance E in mm (see mounting below)</li> <li>• Clear reference to project (project no. or order no., pos./ref.no. etc.)</li> </ul> <p><b>NOTE:</b> It is essential to base all dimensions on finished wall surfaces</p>
<b>Template</b>	<p>Alternatively a rigid template (not made from paper or cardboard) should be made to the finished surface of the wall. Please indicate the following on the upper surface of the template:</p> <ul style="list-style-type: none"> <li>• E (wall distance)</li> <li>• Start and finish point of radiator, if critical</li> <li>• Clear indication of radiator and wall position</li> <li>• Radiator model (P5 or P5K)</li> <li>• Clear reference to project (project no. or order no., pos./ref. no. etc.)</li> </ul>
<b>Output calculation</b>	<p>When calculating the radiator output the length of the radiator and not the length of the wall must be used</p>
<b>Mounting</b>	<p>Wall or floor mounted, see pages 5.3.1 - 7</p> <p><b>NOTE:</b> Unless otherwise specified the radiator is supplied with bracket BP10/30          For P5 wall distance is 30 mm          For P5K wall distance is 10 mm to the fin          If other wall distance is required, please contact Hudevad</p> <p><b>NOTE:</b> No. of brackets or feet will be individually determined by Hudevad</p>



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## Accessories

P5 and P5K

### Horizon infill and end panels

VARIANT



P5/P5K with Horizon infill panel

#### Accessory for

P5 and P5K

**NOTE:** It is only possible to incorporate Horizon panels where P5/P5K radiators have been provided with 1/2" tappings.

#### Application

For use where several radiators are mounted to create a continuous appearance which can be used to conceal electrical and pipework installations. Horizon can be supplied as infill panels for mounting between radiators or as end panels with either open or boxed ends.

#### Construction

Smooth rebated front plate and solid top. Folded edge to conceal gap between radiator and infill or end panel. Mounted on extended Horizon tappings using spring clips at the top and bottom, and wall brackets and spacers where necessary.

#### Material

2.00 mm steel plate, EN 10051

Fig. 5.6.1  
Horizon system, front view

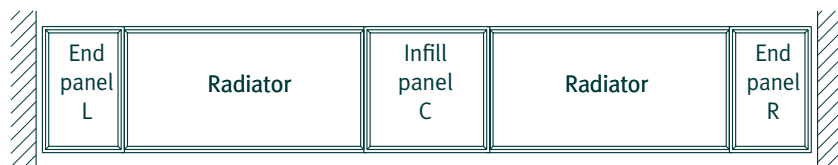
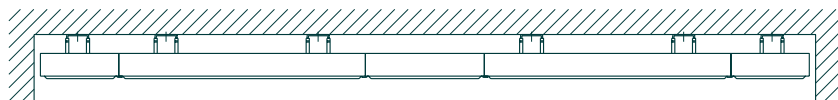


Fig. 5.6.2  
Horizon system, plan view





**Length**

Horizon infill panels: 120-2500 mm in increments of 1 mm

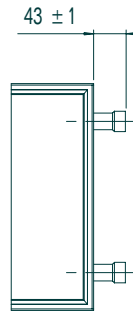
Horizon end panels: 150-2500 mm in increments of 1 mm

**NOTE:** If radiators are inter-connected behind infill panels then length of the infill panel will have to be long enough to accommodate associated pipework; see fig 5.6.3.

Max. radiator length is 4000 mm when using special Horizon tappings, see fig. 5.6.3

Fig. 5.6.3

Horizon tappings on P5 and P5K



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**Height**

Same as radiator

**Depth**

40 mm

**Optional extras**

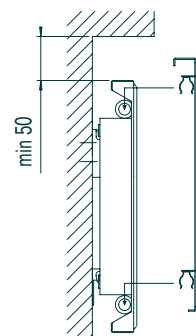
Please contact Hudevad

**Horizon infill panels**

Infill panels are factory fitted with spring clips at each corner for fixing on 1/2" Horizon tappings or dummy tappings of the radiator, see fig. 5.6.4

Fig. 5.6.4

Fitting Horizon infill or end panel with spring clips and min. distance above radiator



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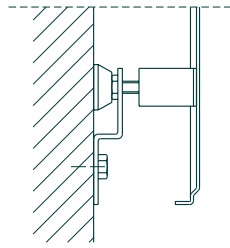
Infill panels longer than 1000 mm are, in addition to the 4 spring clips, fitted with goal posts for fixing to walls and for possible tamperproof fixing, see fig. 5.6.5

## Accessories

### P5 and P5K

Fig. 5.6.5

Horizon spacer with tamperproof fixing, profile



**NOTE:** If a tamperproof fixing is required on infill panels shorter than 1000 mm, please state this when ordering.

Fig. 5.6.6

Horizon infill panels, position of goal posts at length 1001-1500 mm, rear view

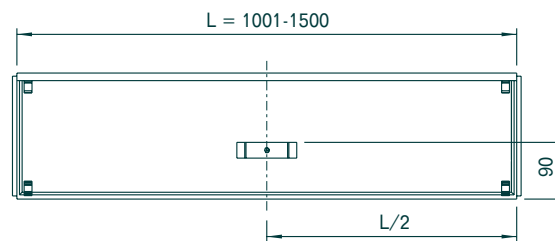
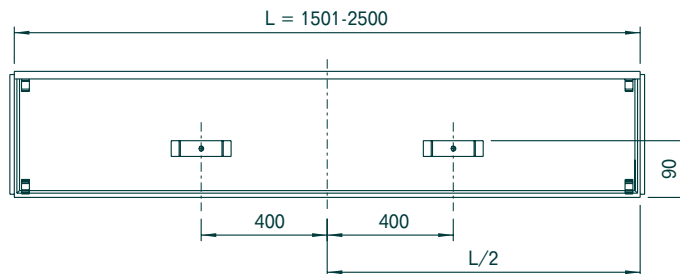


Fig. 5.6.7

Horizon infill panels, position of goal posts at length 1501-2500 mm, rear view

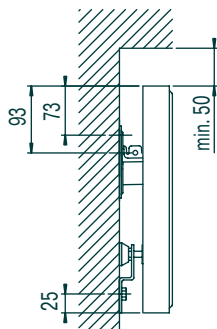




**Horizon end panels**

Horizon end panels are fitted with spring clips for fixing on the special Horizon tappings. At the opposite end, goal posts are provided for mounting on brackets and spacers. All end panels are supplied with tamperproof fixings, see fig. 5.6.8.

Fig. 5.6.8  
Fitting Horizon end panel with brackets and spacers, with tamperproof fixing, at opposite side to radiator and min. distance above radiator.



**Boxed ends**

Horizon end panels can be ordered with boxed ends



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# Accessories

## P5 and P5K

Fig. 5.6.9

Horizon end panels, position of goal posts at length 150-1000 mm, rear view

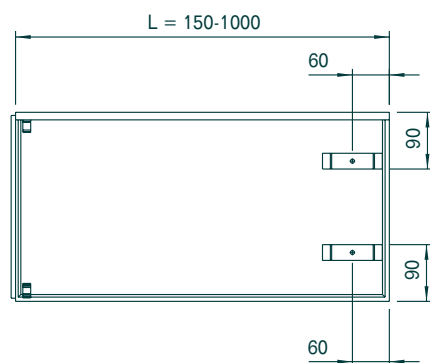


Fig. 5.6.10

Horizon end panels, position of goal posts at length 1001-1500 mm, rear view

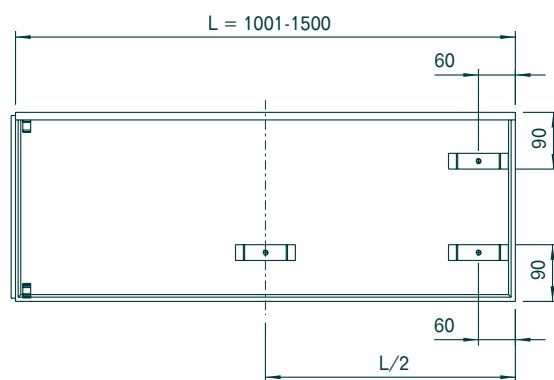
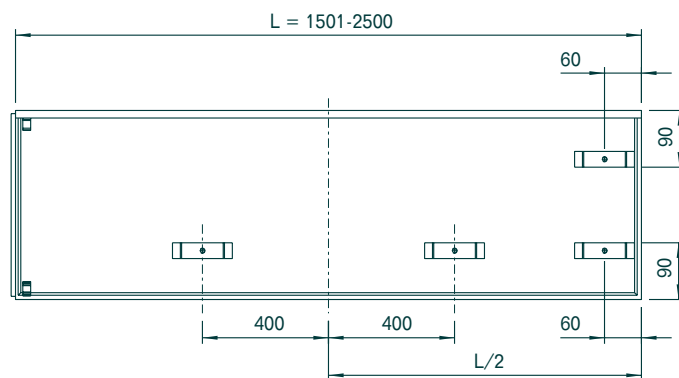


Fig. 5.6.11

Horizon end panels, position of goal posts at length 1501-2500 mm, rear view



**Mounting**

Radiators for Horizon are factory fitted with extended Horizon tappings. When ordering please state that the radiators are to be prepared for Horizon infill or end panels. Infill and end panels are supplied with wall bracket BH10-48.

Fig. 5.6.12  
Bracket BH10-48

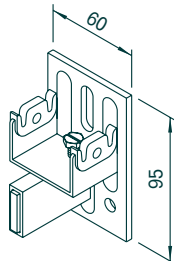


Fig. 5.6.13  
Bracket BH10-48

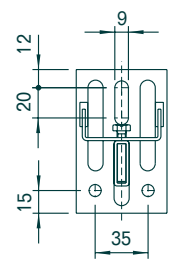


Fig. 5.6.14  
Horizon spacer



Fig. 5.6.15  
Horizon spacer with tamperproof fixing, profile

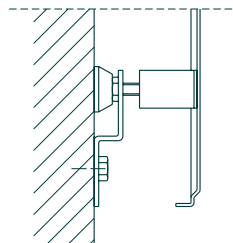
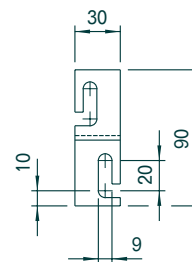


Fig. 5.6.16  
Horizon spacer with tamperproof fixing, front view



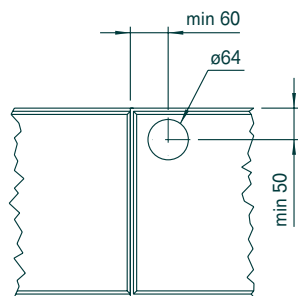
**High level**

Please state at time of order whether Horizon panels will be installed at high level. Tamperproof fixings must be used.

**Hole for valve**

Horizon infill and end panels can be supplied with cut out for thermostatic valve head, see fig 5.6.17.

Fig. 5.6.17  
Horizon infill and end panels,  
position of cut out



**INDIVIDUAL**

**NOTE:** Position of hole cannot be determined until after mounting of valve. When mounting valve min. distances must be taken into account, see fig. 5.6.17. The valve cannot be mounted directly in the standard tapping of the radiator. If required the tapping must be ordered repositioned in accordance with the above dimensions, please consult Hudevad.



## Accessories

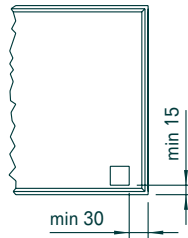
### P5 and P5K

**Cut out for electric socket** Can be supplied within min. dimensions. See fig 5.6.18 for minimum clearances.

Fig. 5.6.18

Horizon infill or end panels can be supplied with cut outs for electric, data or communication sockets. Please contact Hudevad for further details.

**INDIVIDUAL**



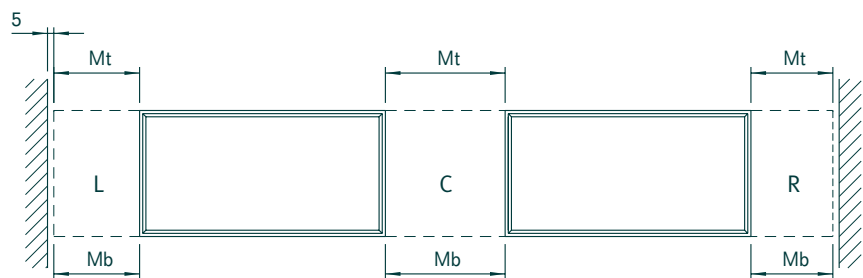
### Ordering

Please state:

- Hudevad recommend that radiators are fixed & piped prior to taking measurements for the Horizon panels.
- Dimensions Mt and Mb as fixed measurement between the radiators or the required length of end panels. A 5 mm shadow gap between panel and wall is recommended.
- Specification for every infill and end panel position in relation to radiator: L (to the left of radiator), R (to the right of radiator) or C (between 2 radiators).

Fig. 5.6.19

Measurements



**Horizon angled infill and end panels**

Min. internal angle V:  $45^\circ$   
Max. external angle V:  $270^\circ$   
Max. 1 angle per infill or end panel

Fig. 5.6.20  
Internal angle

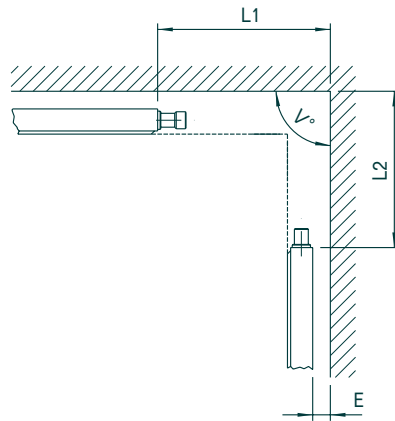


Fig. 5.6.21  
Internal angle

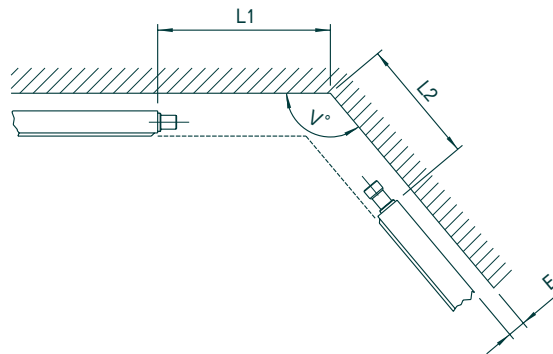
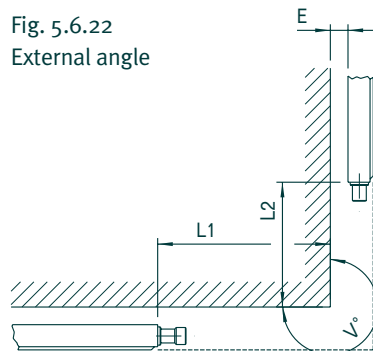


Fig. 5.6.22  
External angle



**Ordering**

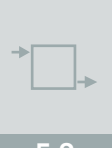
For every Horizon infill or end panel please state wall distance E, wall length L1 and L2 at top and bottom and angle V with  $0.1^\circ$  increments. Goal posts are provided for brackets and spacers near the angle (corner) for added stability.



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## Accessories

### *P5 and P5K*

#### Air vent with O-ring

1/2" supplied unless otherwise specified.



#### Air vent with O-ring and revolving spout

1/2"



#### Plug with O-ring

1/2"



#### Square key for air vents



#### Sensor head

Danfoss RA 2990  
Supplied unless otherwise specified.



#### Electrical heating

Supplied separately by Hudevad in combination  
with radiator prepared for electrical heating element

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<b>P5</b>	<p>“Hudevad P5 model radiator with smooth, flat 2.00 mm thick rebated front plate with solid top and bottom with 1.25 mm rear plate and pressed steel vertical waterways. Water circulates directly behind the front plate. No detachable clip-ons or covers. Primed and painted with oven dried powder coat or wet coat.</p> <p>Surface treatment in accordance with DIN 55900 and EN 442.</p> <p>Test and operating pressure 10, 7.7 bar respectively.”</p>
<b>P5K</b>	<p>“Hudevad P5K model radiator with smooth, flat 2.00 mm thick rebated front plate with solid top and bottom with 1.25 mm rear plate and pressed steel vertical waterways and 0.50 mm convector fins welded on the waterways. Water circulates directly behind the front plate. No detachable clip-ons or covers. Primed and painted with oven dried powder coat or wet coat.</p> <p>Surface treatment in accordance with DIN 55900 and EN 442.</p> <p>Test and operating pressure 10, 7.7 bar respectively.”</p>
<b>Adjustable bracket BP (page 5.3.3)</b>	<p>“Wall mounted on adjustable brackets with nylon inserts for noise suppression and adjustable spacers.”</p>
<b>Adjustable feet PR (page 5.3.4)</b>	<p>“Adjustable feet in 2 mm square steel tube rectangular, welded directly to the 3 mm steel foot plate. Painted same colour as radiator. Mounted with coach screws.”</p>
<b>Console feet FH (page 5.3.6)</b>	<p>“Console feet FH, from 30 x 30 mm steel tube with height adjustable collars and 5 mm foot plate, in radiator colour.”</p>
<b>Built-in valve (page 5.4.1)</b>	<p>Format 1: “Built-in valve Format 1 with sensor head through front plate and bottom tappings.”</p> <p>Format 3: “Built-in valve Format 3 with side-facing sensor head and bottom tappings.”</p>



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## Standard specification clauses

### *P5 and P5K*

#### Horizon infill and end panel (page 5.6.1)

“Horizon infill and end panels for installation between Hudevad P5 and P5K range. Constructed in 2 mm steel with a smooth rebated front plate, solid top and bottom and folded edge to conceal gap between radiator and infill or end panel. Horizon panels to be mounted on extended Horizon tappings using spring clips at top and bottom, and wall brackets and spacers where necessary, tamperproof option available and recommended for high level installations.”

#### Order guide

When stating the size and type of radiator, please use the following format: Model height / depth - length. All measurements are to be stated in mm.

P5K 500/58 - 2000 1/2" A, 1/2" B, 1/2" C, 1/2" D  
Please state flow and return position



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## **Maintenance**

### **Painting of primed radiators**

Paint suitable for steel surfaces should be used

### **Repair of powder or wet coated radiators**

Water based acrylic paint obtained from a decorating wholesaler can be used

### **Recoating of powder or wet coated radiators**

After cleaning, powder or wet coated radiators can be recoated with the following:

Powder coat: PE powder

Wet coat: Synthetic, non yellowing coat. Water based or similar acrylic paint

Hardening: 180°C curing temperature for 10 min.

### **Packaging**

Packaging can be left on the radiators for protection against damage etc. during fitting and re-decoration, but the flow temperature should not exceed 70°C.

### **Venting**

Venting of the radiators is required at commissioning, or if the heating system has been drained. It is recommended that radiators are vented, using a cloth to prevent splashing, when the system is cold and the pump is off.

### **Cleaning**

Light household cleaning materials can be used for painted surfaces. Abrasive materials such as scouring powder should not be used. The rear of the radiator can be cleaned with a soft brush, if necessary, together with a vacuum cleaner.



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