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Hudevad P5



Technical datasheet

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Key benefits



Minimalistic Scandinavian design

Matches any architecture



Water-filled front panel

High quality 2 mm Swedish steel for the best output and construction



Fully welded solution

No removable parts making it highly durable and completely tamper-proof



Fully customisable

Large range of sizes, tapping options, colours, infill panels, angles, and closed ends

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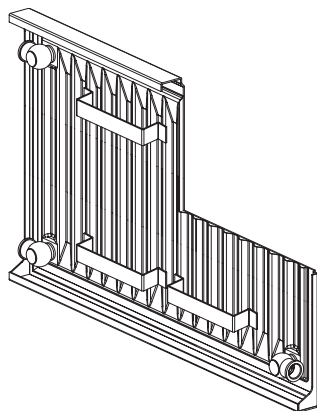
Description

Hudevad P5 is the embodiment of clean design and reliable output. The look and feel of the P5 radiator, or any of its variants, is Scandinavian simplicity at its finest. The P5 radiator has a high output, is sturdy, stable and is truly an asset as an architectural tool. The P5 has a smooth, flat rebated front plate with solid top and bottom and pressed steel vertical waterways. Water circulates directly behind the front plate. The P5K has convector fins welded on to the rear side of each plate.

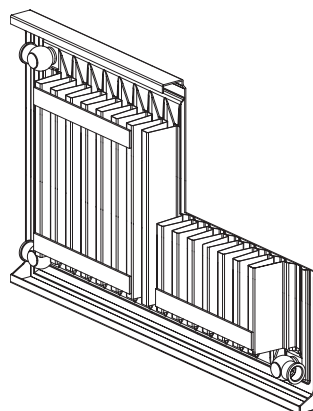
Material	Front plate: 2.00 mm steel to EN 10051 Rear plate: 1.25 mm steel to EN 10130 P5K convector fins: 0.50 mm steel to DIN 239
Test pressure	10 bar
Max. operating pressure	7.7 bar in accordance with EN 442
Max. operating temperature	95°C
Surface treatment	Pretreatment: Degreasing and passivation Priming: Primed with water based paint in pale grey Surface treatment in accordance with DIN 55900 and EN 442
Length	P5/P5K and P5D/P5KD: 400-4000 mm, in increments of 33.33 mm Radiator lengths above 2500 mm are with open ends
Height	P5/P5K and P5-D/P5K-D: 300, 400, 500, 600, 700 and 1000 mm
Depth	P5: 40 mm / height 1000 mm: 43 mm P5K: 58 mm P5D: 105 mm / height 1000 mm: 108 mm P5KD: 123 mm
Tappings	1/2" standard, adapter for 3/4"
Installation	Wall or floor mounted Brackets are included Air vents and plugs are included
Optional extras	Console feet FH PR feet Adjustable brackets Closed ends (standard with UR-flex)
Colour	Powder-coated white RAL 9010, gloss 70 Option: Painted in other standard RAL and BS colours

Illustration

P5 single

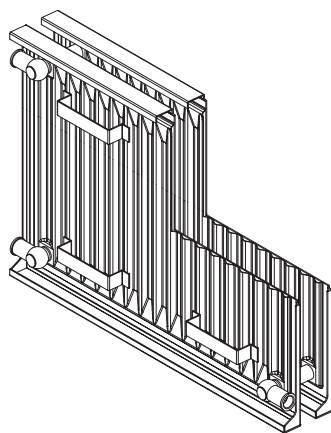


P5 single without convector,
rear view

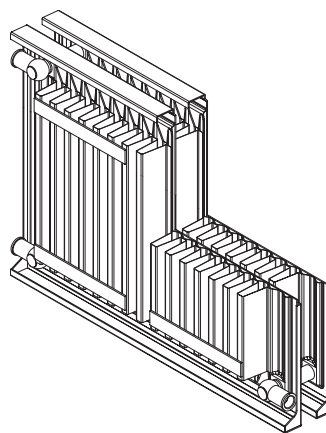


P5 single with convector (P5K),
rear view

P5 double



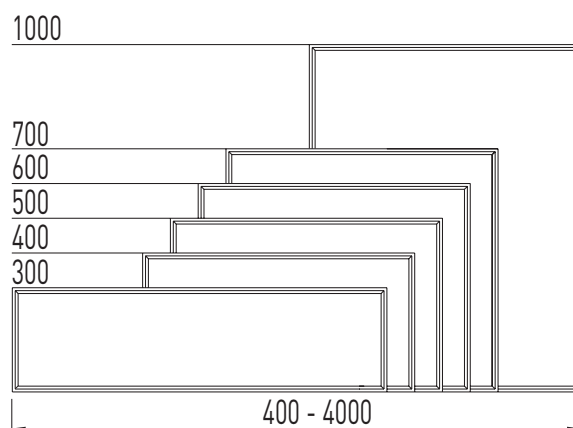
P5 double (P5D) without convector,
rear view



P5 double with convector (P5KD),
rear view

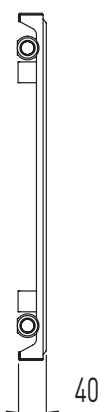
Dimensions

Height and length

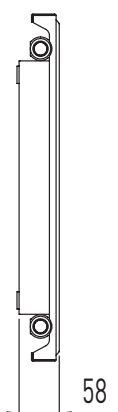


Depth and profile view

P5



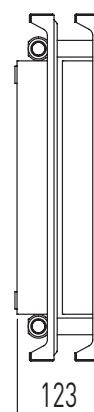
P5K



P5D



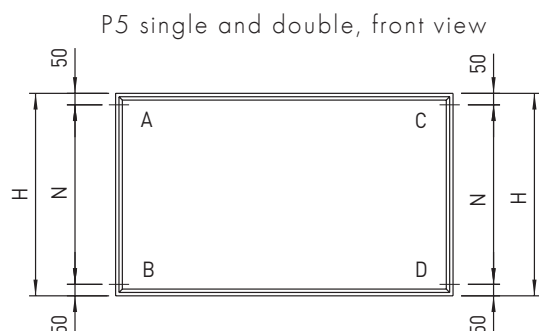
P5KD



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Tapping distances

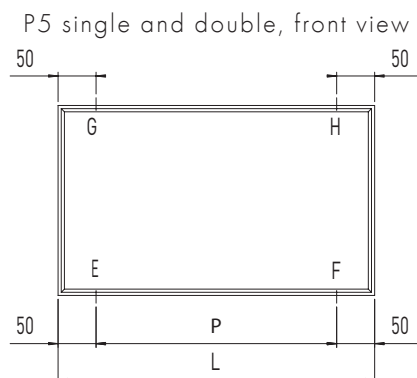
Side tappings ABCD



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

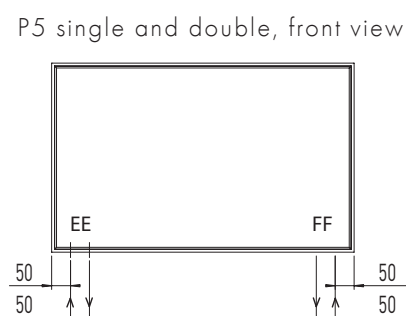
Centre distance N is calculated as: Radiator height H - 100 mm

Underside tappings EF/FE



Centre distance P is calculated as: Radiator length L - 100 mm

Underside tappings EE/FF



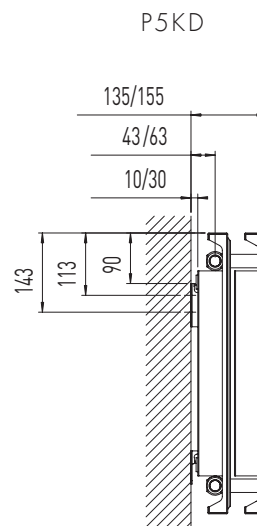
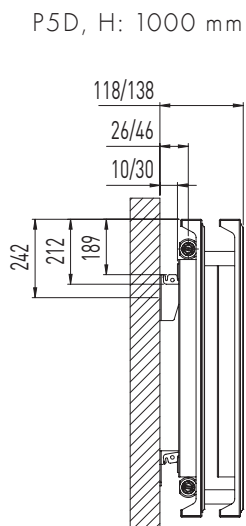
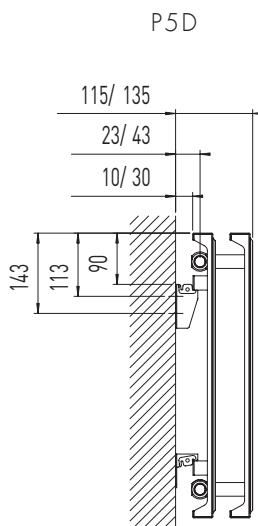
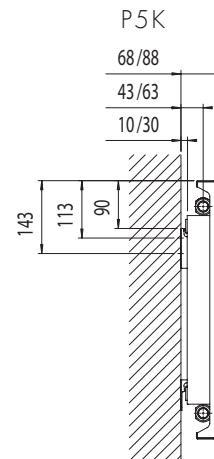
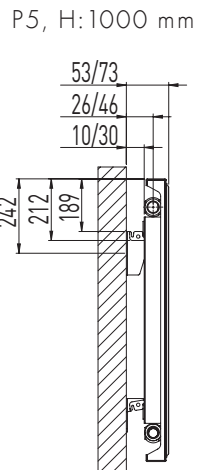
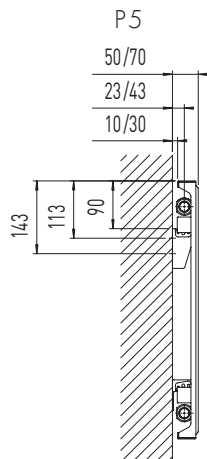
Note: Always connect flow to the outermost tapping.

Where P5 radiator lengths exceed 1500 mm, and same-end tappings are required (AB or CD), P5 is factory-fitted with a rear return tube to ensure optimum water flow.

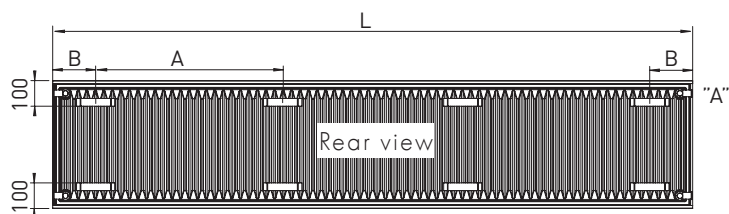
Forced water circulation does not change the standard tapping designations.

Build-in dimensions

Profile view



Position of straps



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

Note: B = 250 mm at flow/return side on radiators with built-in valve and with EE and FF tappings.

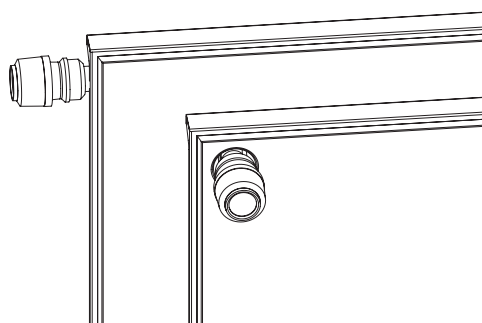
Position of rails and no. of brackets

Radiator length L, mm	No. of sections	No. of brackets / spacers / straps	A, mm	B, mm
400-500	12-15	2/2/1	-	-
533-1800	21-50	2/2/2	L-366	183
1833-3800	51-74	3/3/3	(L-366)/2	183
3833-4000	75-114	4/4/4	(L-366)/3	183

Note: Also applies to all adjustable brackets.
P5 radiators shorter than 500 mm have one strap.

Built-in valve

- 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. 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 the height. The thermostatic sensor of the valve is passed through a hole in the front of the radiator (type 1) or through the end of the radiator (type 3).
- Tappings** Type 1 and 3 valve radiators have underside 1/2" tappings. Tapping combinations EE, FF or EF/FE can be ordered. Air vent opposite the valve can be ordered. UR-flex tappings are available for concealed pipework.
- Dimensions** Minimum radiator length for built-in valve is 15 sections.
In terms of heat output, integrated valves take up 2 sections.
- Built-in valve** Type 1 valves are supplied with spindle extenders for depths 105, 108 and 123.
Type 3 valves are supplied with spindle extenders for all depths.
Note: Spindle extender to be dismantled for presetting.

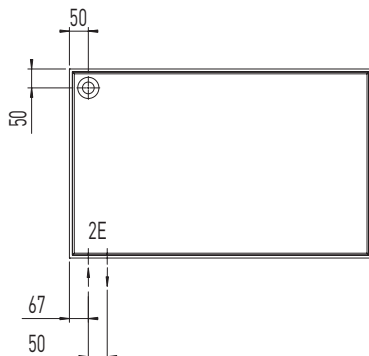


P5 with built-in valve
type 1 (front) and
type 3 (side/end)

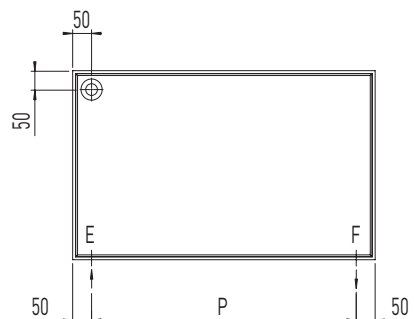
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Built-in valve type 1

Tappings EE/FF



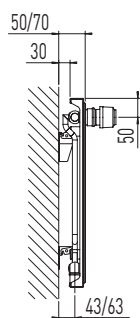
Tappings EF/FE



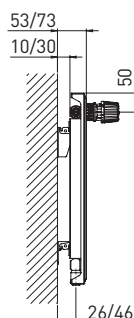
Centre distance P is calculated as:
Radiator length L - 100 mm

Profile view

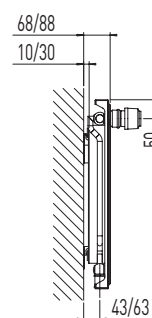
P5 with built-in valve type 1



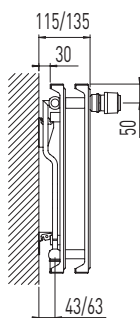
P5 with built-in valve type 1, H:1000



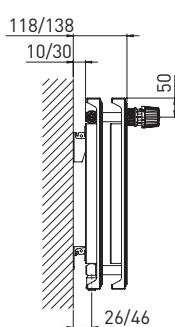
P5K with built-in valve type 1



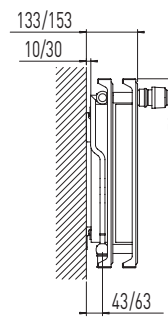
P5D with built-in valve type 1



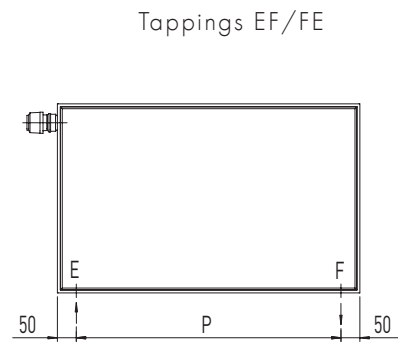
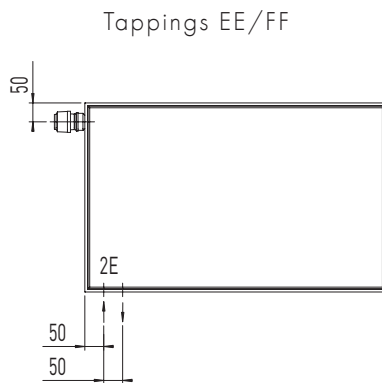
P5D with built-in valve type 1, H:1000



P5KD with built-in valve type 1



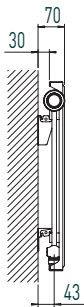
Built-in valve format 3



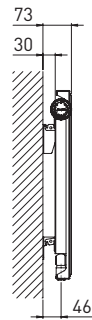
Centre distance P is calculated as:
Radiator length - 100 mm

Profile view

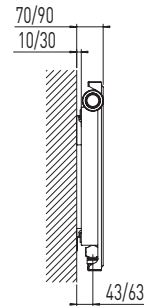
P5 with built-in valve type 3



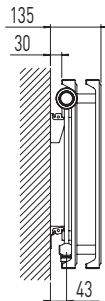
P5 with built-in valve type 3, H:1000



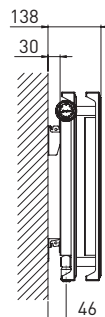
P5K with built-in valve type 3



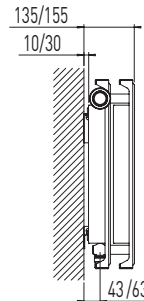
P5D with built-in valve type 3



P5D with built-in valve type 3, H:1000



P5KD with built-in valve type 3



UR-flex

Description P5 with UR-flex 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 tapplings. Flexhoses made of high density armored medical silicone are included from the factory. Extremely easy to clean due to the flat front, convector tubes and concealed pipework. The tapplings and the UR-flex hoses are concealed behind the extended front plate. Only the air vent and the built-in valve are visible on the front.

Note: The standard version of P5 with UR-flex is fitted with closed ends. Please see sketches below.

Advice, etc. A return pipe is fitted, if same end tapplings and lengths > 1200 mm are required. 300 mm high radiators can only be supplied with diagonal tapplings.

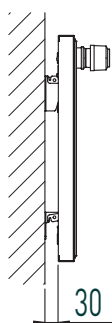
Available for All models

Wall distance 30 mm

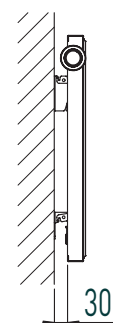
Installation The UR-flex hoses (provided by Hudevad) are installed between the concealed radiator tapplings and the wall outlets/PEX sockets fitted by the SHAP installer. The radiator can then be mounted using the usual wall brackets.

The UR-flex radiator types are also available without valves, to facilitate central valve location in an installations room, etc.

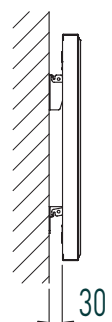
P5 with UR-flex, built-in valve type 1, profile view



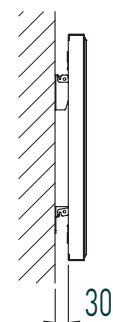
P5 with UR-flex, built-in valve type 3, profile view



P5 with UR-flex, no valve, profile view



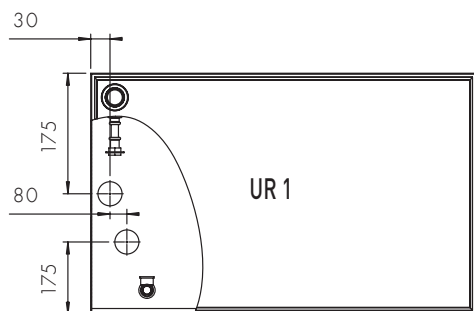
P5 with UR-flex, built-in valve type 4, profile view



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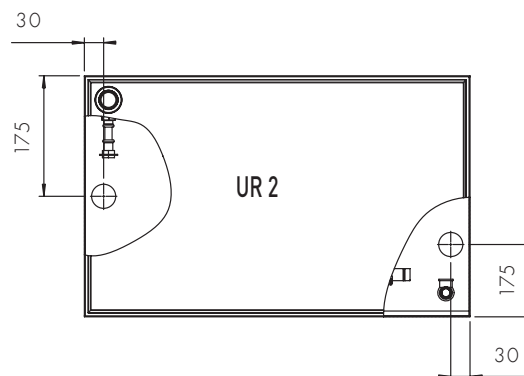
Built-in valve type 1

Model references and dimensional sketches for wall outlet/PEX socket location.

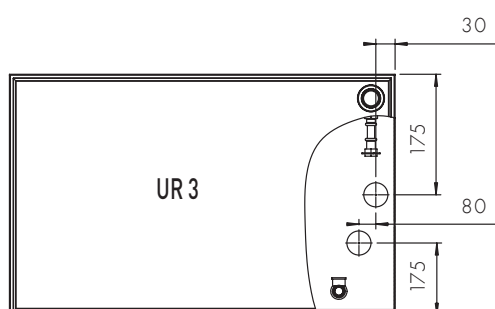


Built-in valve format 1, left, same end
tappings, prepared for EE pipework.

If same end tappings are required,
the max. radiator length is 1200 mm.

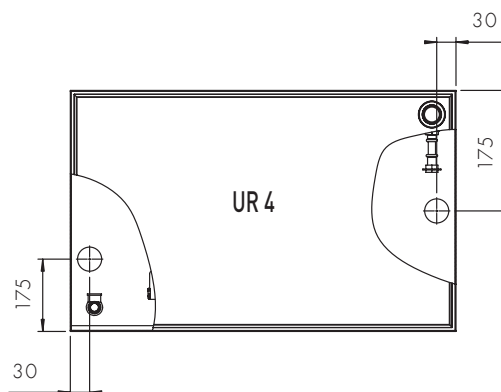


Built-in valve format 1, left, diagonal
tappings, prepared for EF pipework.



Built-in valve format 1, right, same end
tappings, prepared for FF pipework.

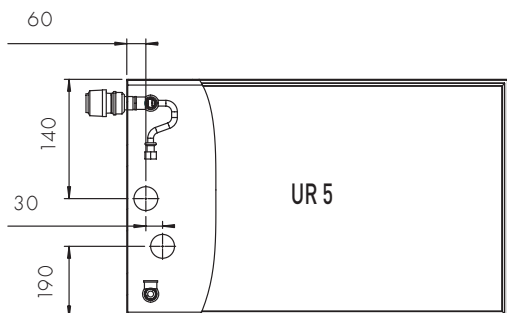
If same tappings are required, the
max. radiator length is 1200 mm.



Built-in valve format 1, right, diagonal
tappings, prepared for EF pipework.

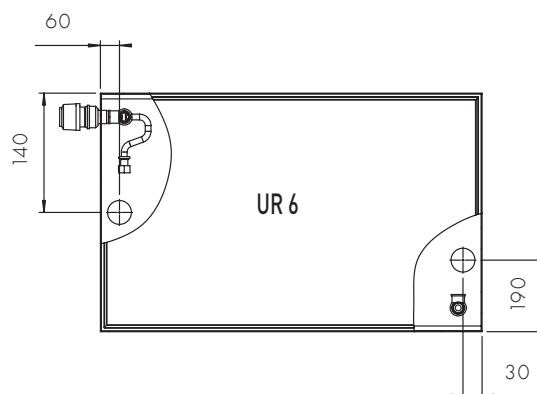
Built-in valve type 3

Model references and dimensional sketches for wall outlet/PEX socket location.

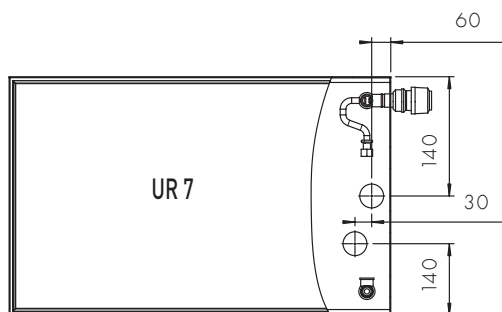


Built-in valve format 3, left, same end tapplings, prepared for EE pipework.

If same end tapplings are required, the max. radiator length is 1200 mm.

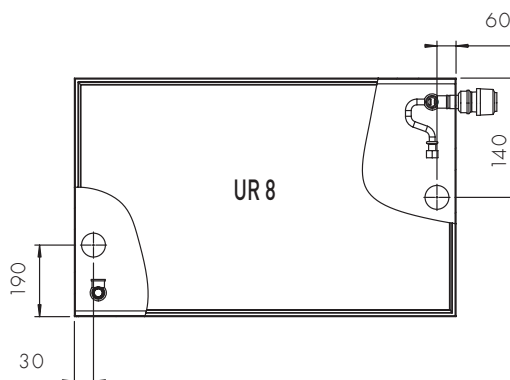


Built-in valve format 3, left, diagonal tapplings, prepared for EF pipework.



Built-in valve format 3, right, same end tapplings, prepared for FF pipework.

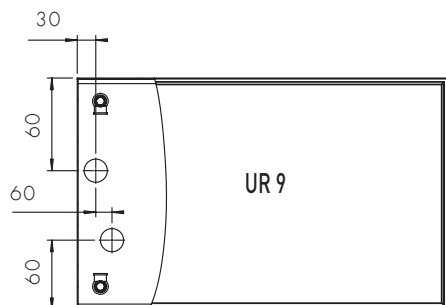
If same end tapplings are required, the max. radiator length is 1200 mm.



Built-in valve format 3, right, diagonal tapplings, prepared for EF pipework.

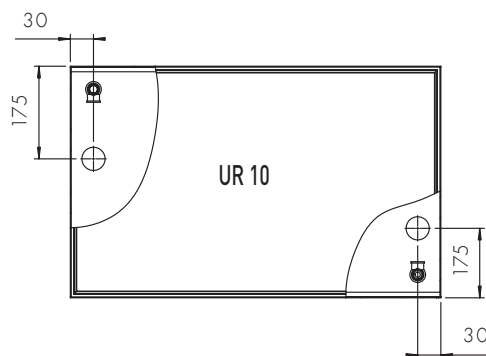
No valve

Model references and dimensional sketches for wall outlet/PEX socket location.

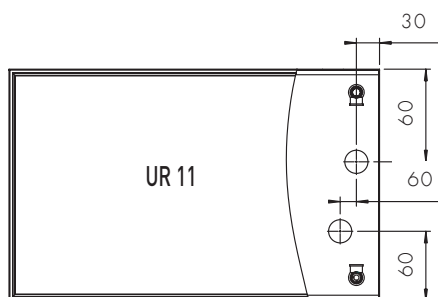


No valve, same end tapplings, prepared for EE pipework.

If same end tapplings are required, the max. radiator length is 1200 mm.

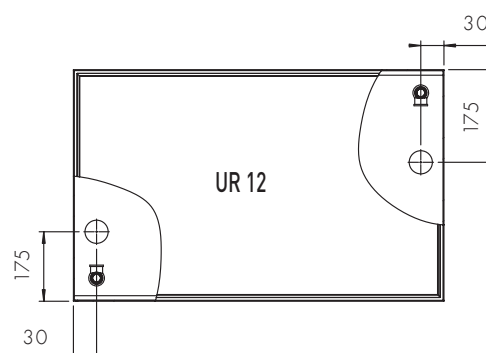


No valve, diagonal tapplings, prepared for EF pipework.



No valve, same end tapplings, prepared for FF pipework.

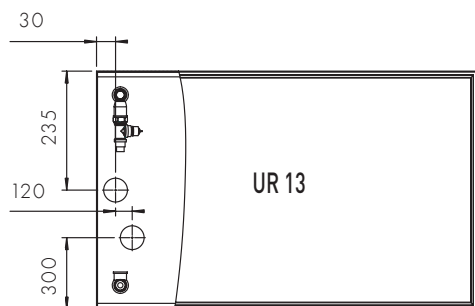
If same end tapplings are required, the max. radiator length is 1200 mm.



No valve, diagonal tapplings, prepared for EF pipework.

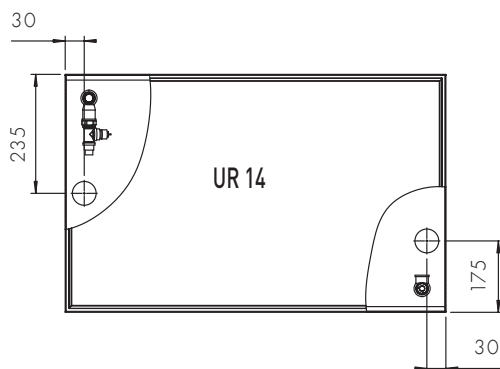
Built-in valve type 4

Model references and dimensional sketches for wall outlet/PEX socket location.

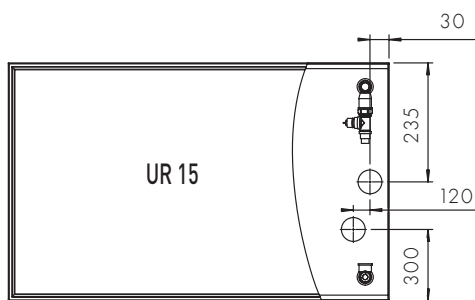


Built-in valve format 4, left, same end tapings, prepared for EE pipework.

If same end tapings are required, the max. radiator length is 1200 mm.

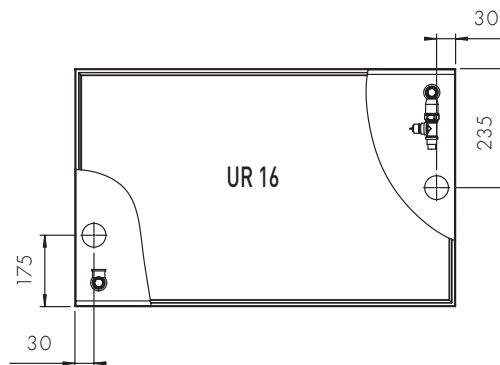


Built-in valve format 4, left, diagonal tapings, prepared for EF pipework.



Built-in valve format 4, same end tapings, prepared for FF pipework.

If same end tapings are required, the max. radiator length is 1200 mm.



Built-in valve format 4, right, diagonal tapings, prepared for EF pipework.

Output

P5 single

P5 Height, mm	Output			Water content litres/ metre	Weight kg/ metre
	W/metre 75°/65°/20°	W/metre 55°/45°/20°	W/metre 90°/70°/20°		
300	317	165	401	0.8	9.0
400	416	216	526	1.0	11.6
500	514	267	649	1.3	14.2
600	611	318	772	1.5	16.8
700	707	368	893	1.7	19.4
1000	990	512	1253	2.5	26.7

P5K Height, mm	Output			Water content litres/ metre	Weight kg/ metre
	W/metre 75°/65°/20°	W/metre 55°/45°/20°	W/metre 90°/70°/20°		
300	413	216	521	0.8	11.0
400	548	285	692	1.0	14.6
500	681	353	862	1.3	18.3
600	815	422	1031	1.5	22.0
700	949	488	1202	1.7	25.6
1000	1345	685	1711	2.5	36.5

P5 double

P5-D Height, mm	Output			Water content litres/ metre	Weight kg/ metre
	W/metre 75°/65°/20°	W/metre 55°/45°/20°	W/metre 90°/70°/20°		
300	540	278	684	1.7	18.0
400	706	363	895	2.1	23.2
500	868	447	1100	2.5	28.4
600	1029	530	1304	2.9	33.6
700	1188	612	1506	3.4	38.7
1000	1656	848	2103	4.9	53.3

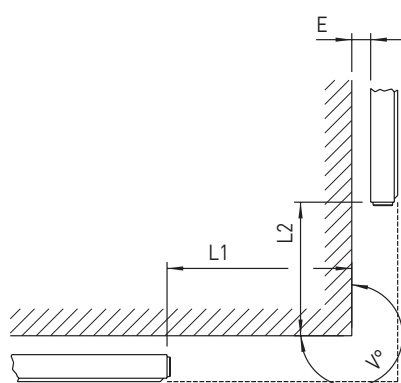
P5K-D Height, mm	Output			Water content litres/ metre	Weight kg/ metre
	W/metre 75°/65°/20°	W/metre 55°/45°/20°	W/metre 90°/70°/20°		
300	767	381	985	1.7	22.0
400	996	497	1276	2.1	29.2
500	1218	608	1561	2.5	36.6
600	1436	717	1840	2.9	44.0
700	1651	829	2112	3.4	51.2
1000	2280	1150	2911	4.9	73.0

Options

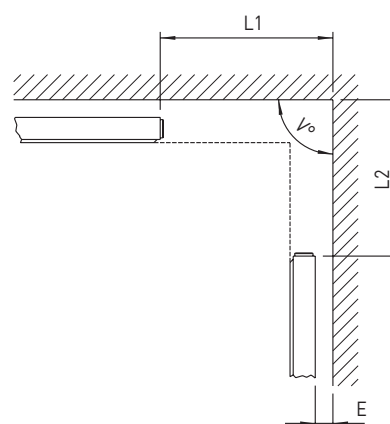
Angled radiators

Description	P5 and P5K radiators can be supplied angled. Tapping designations etc. follow the same principles as for straight radiators.
Output calculation	Same as P5 and P5K (advisory calculation).
Installation	Wall or floor mounted.

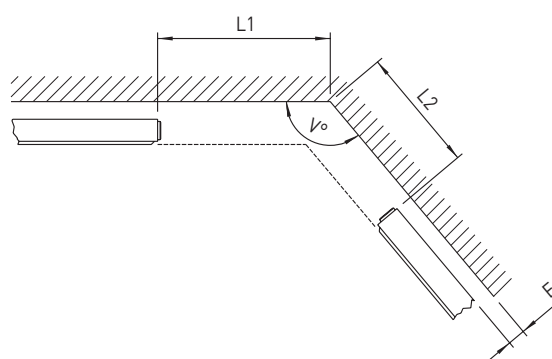
External angle



Internal angle



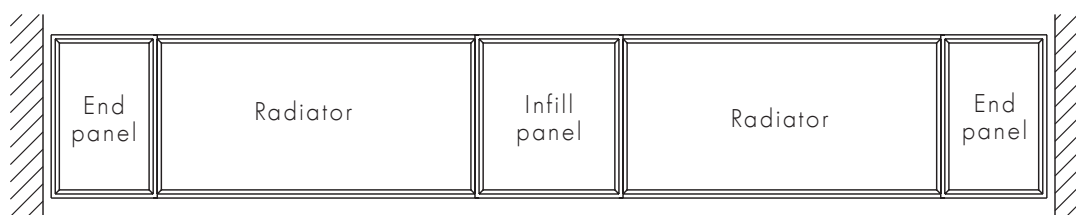
Internal angle



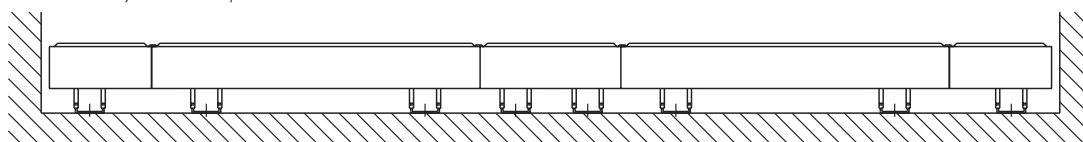
Horizon infill and end panels

Application	Used to connect several radiators installed in a line or as a dummy next to a radiator. Creates a continuous appearance where several radiators are connected. May also be used to cover pipework and electrical installations. Wall mounted. Can be dismantled for access to installations behind. Available as infill panels for installation between 2 radiators, as end panels for installation between radiator and wall, or to finish a string of radiators. Moreover end panels can be ordered with closed ends if used to finish a string of free, wall mounted radiators.
Design	Smooth, flat rebated front plate with solid top and bottom and pressed steel vertical waterways. With folded edge to conceal gap between radiator and Horizon infill or end panel. Mounted on wall brackets. Brackets with screws and dowels are included.
Lengths	Horizon infill panels: 200-2500 mm in increments of 1 mm Horizon end panels: 200-2500 mm in increments of 1 mm
Height	Same as radiator.
Depth	Same as radiator.
Optional extras	Horizon end panels (can be ordered with closed ends to finish a string of free, wall mounted radiators), hole for valve, hole for socket, tamper proof fixing, angled infill and end panels.

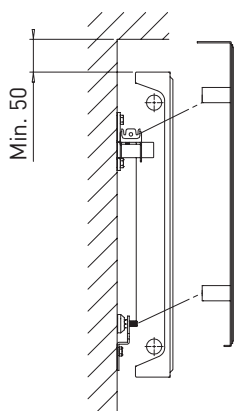
Horizon system, front view



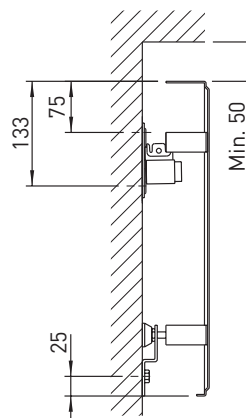
Horizon system, top view



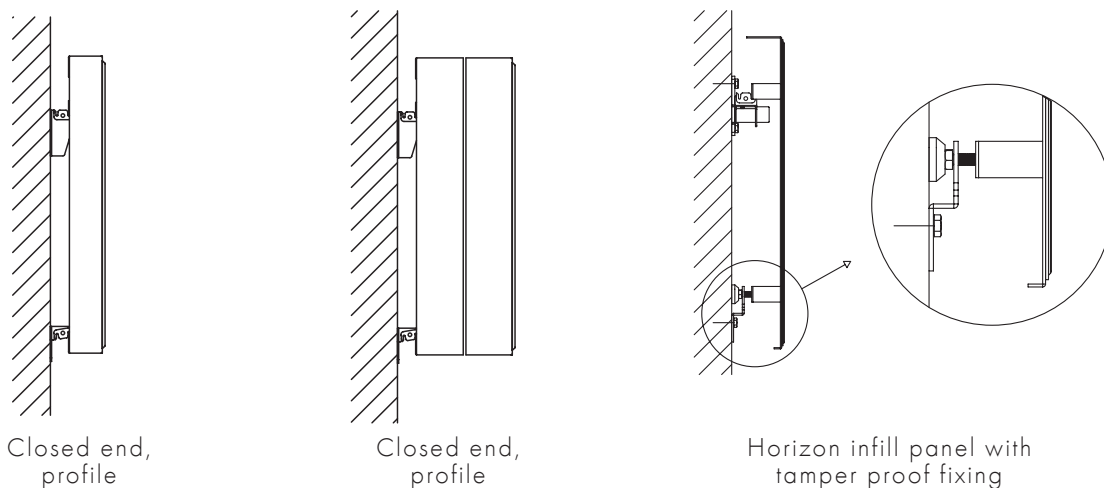
Wall mounting - Horizon infill and end panels
Min. distance above radiator



Wall mounting - Horizon infill and end panels
with brackets and spacers, with tamperproof
fixing. Min. distance above radiator



HUDEVAD
select

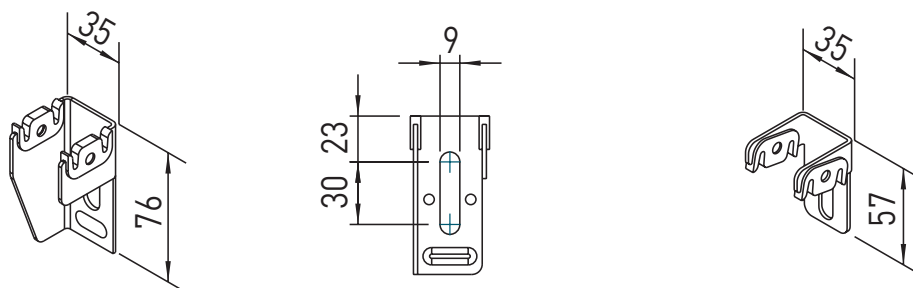


Accessories

Brackets

*Bracket BP10/30

Adjustable spacer for bracket



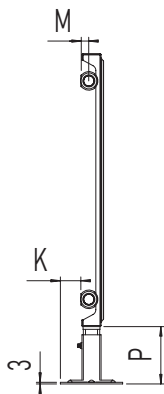
Adjustable brackets



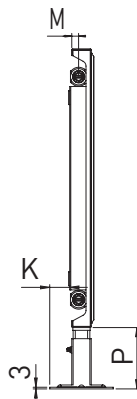
*Optional wall distance: 10 or 30 mm to rear of radiator
UR-flex: Wall distance 30 mm

Adjustable console feet PR Profile view

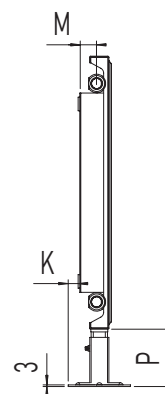
P5 with PR feet



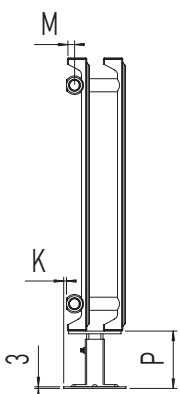
P5 with PR feet, H: 1000



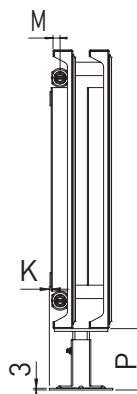
P5K with PR feet



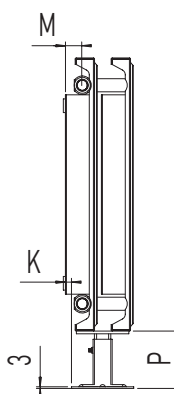
P5D with PR feet



P5D with PR feet, H: 1000



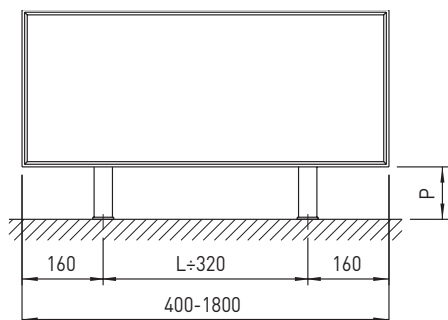
P5KD with PR feet



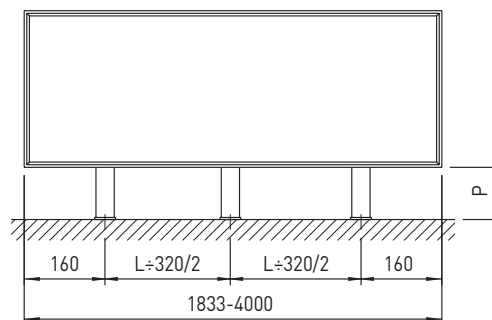
Distance K, M and P for foot plate

Depth, mm	K, mm	M, mm	P (low/high), mm
40	40	13	105-150 or 180-320
43	36	16	105-150 or 180-320
58	22	31	105-150 or 180-320
105	7	13	105-150 or 180-320
108	3	16	105-150 or 180-320
123	-11	31	105-150 or 180-320

Radiator with 2 feet



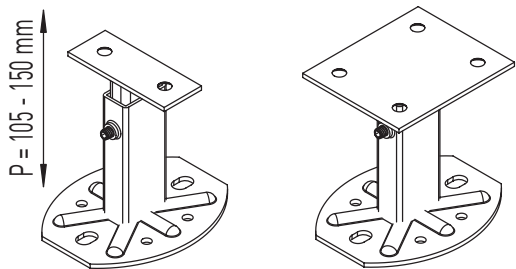
Radiator with 3 feet



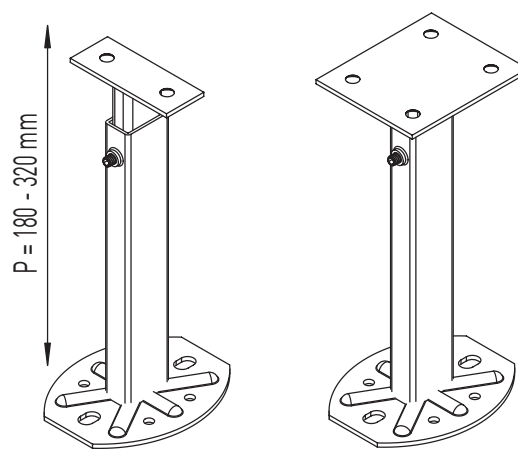
* If the no. of feet is 3 and the no. of sections is uneven, the foot in the middle is displaced 17 mm towards tapping "A".

Note: Hudevad advises not to use feet for heights > 700 mm, measured from upper floor surface to upper edge of radiator, unless the radiator is additionally secured at the top.

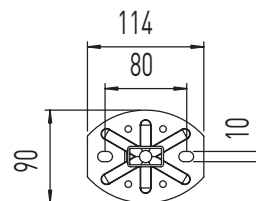
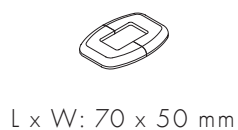
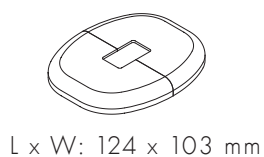
PR feet, low - for P5 single and double



PR feet, high - for P5 single and double

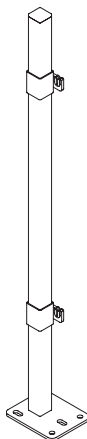


Hole dimensions: 20.5 x 35.4 mm

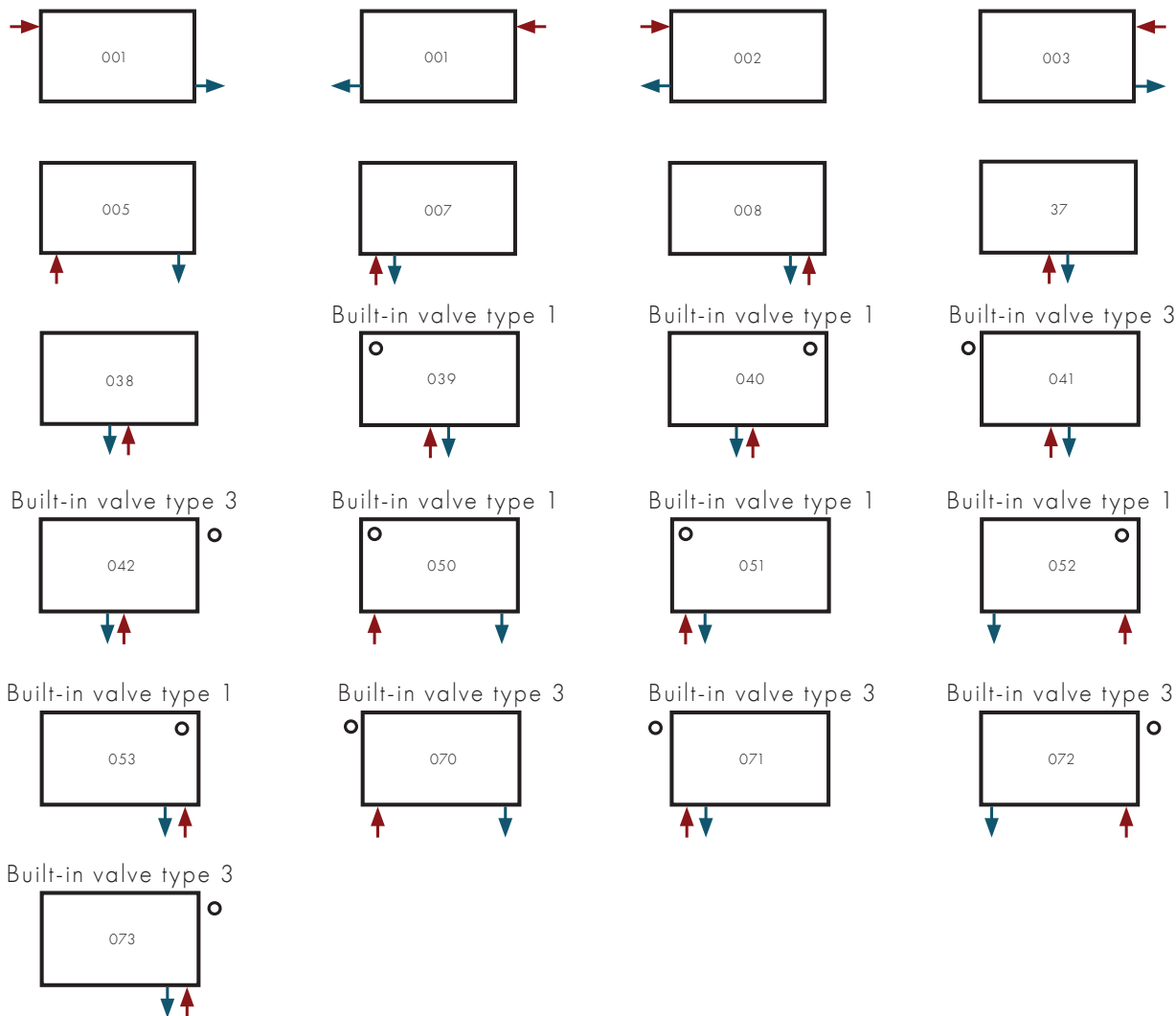


Console feet FH

Console feet FH (optional extras for all depths and heights)



Tappings



UR Flex tappings

