

# PISO FORTIS



Datasheet



# DESCRIPTION

The Hudevad Piso Fortis is a stylish low convector suitable for public as well as private spaces, particularly in front of glazing, where one wants great heat output in combination with a clean design that fits the overall expression of the building. The Bench model in height 400 mm can be used not only as an effective heat source but also as useful furnishing.

<b>Material</b>	Panels: Profiled steel tubes 70x11x1,8 mm
<b>Test pressure</b>	8 bar
<b>Max. operating pressure</b>	6 bar.
<b>Max. operating temperature</b>	110°C
<b>Warranty</b>	5 years
<b>Surface treatment</b>	Pre-treatment by degreasing and steel phosphating in accordance with DIN EN 442 and DIN EN 12476
<b>Type</b>	43 and 54
<b>Height</b>	190, 260, 330 and 400 mm
<b>Length</b>	1000 - 3000 mm
<b>Depth</b>	Type 43: 179 mm Type 54: 235 mm
<b>Connections</b>	All tappings 1/2" standard (adapters available) All tappings are downward-facing inside the legs.
<b>Installation</b>	Floor mounted. Air vent and blind plug are included.
<b>Colour</b>	Powder coated in white RAL 9016, gloss 70 Option: Painted in other colours. Please see the Hudevad Radiator Design Colour Brochure at <a href="http://www.hudevad.com">www.hudevad.com</a>

# TAPPING OVERVIEW

Tapping code	Tapping type	Tapping possibilities
50	E/F, Right or left	
52	FF, Right	
53	EE, left	

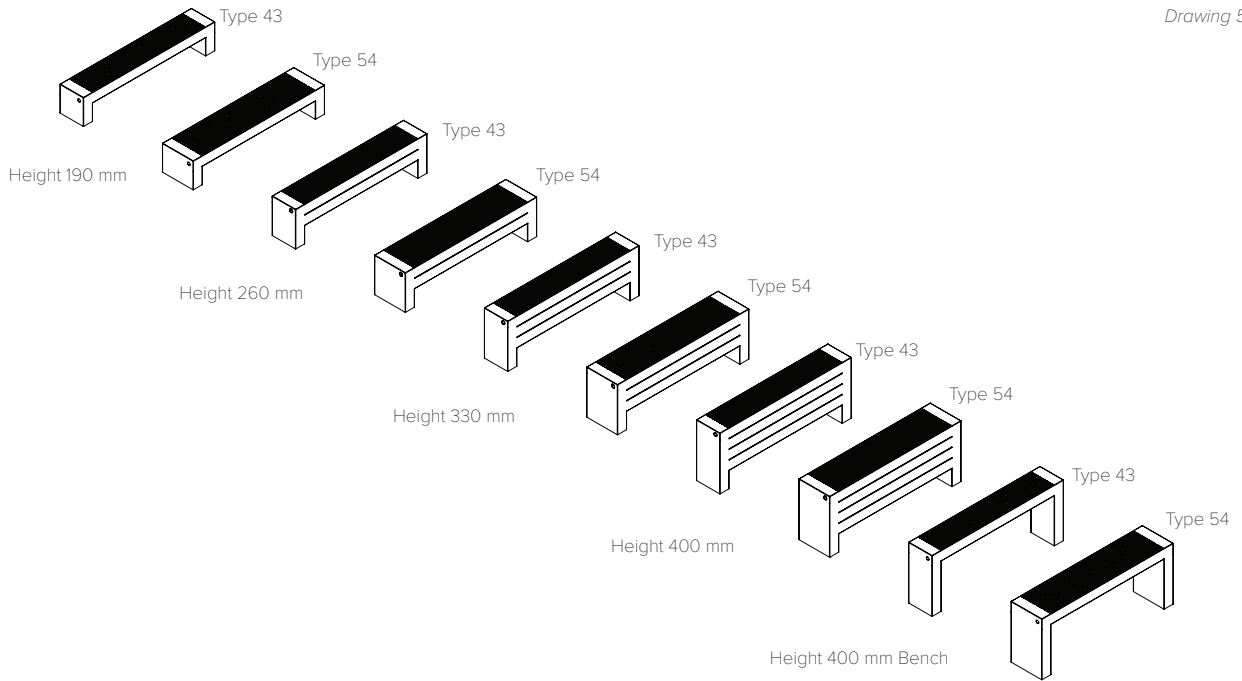
**Note**

All tappings are downward-facing inside the legs.

**Tapping code 52 and 53 - same side connection.**

An internal divider plate is fitted inside the radiator to effectively control the flow of water. A small metal tap on the underside of the radiator indicates where the plate is fitted.

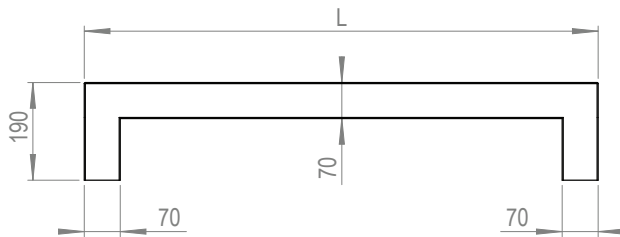
# DIMENSIONS



Drawing 5.1

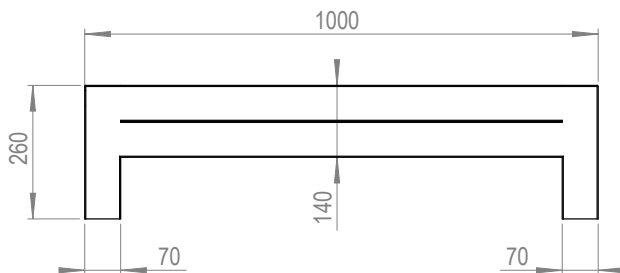
## HEIGHT AND LENGTH

Height 190 mm



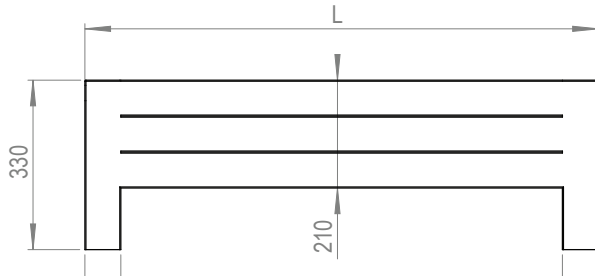
Drawing 5.2

Height 260 mm



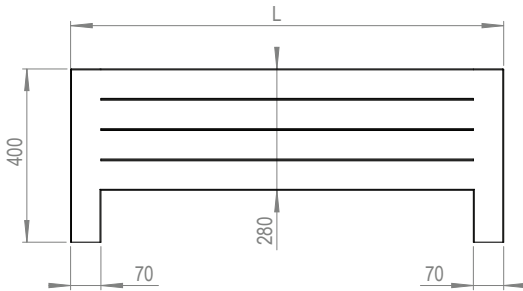
Drawing 5.3

Height 330 mm



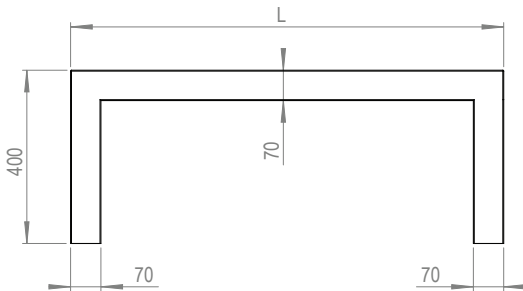
Drawing 6.1

Height 400 mm



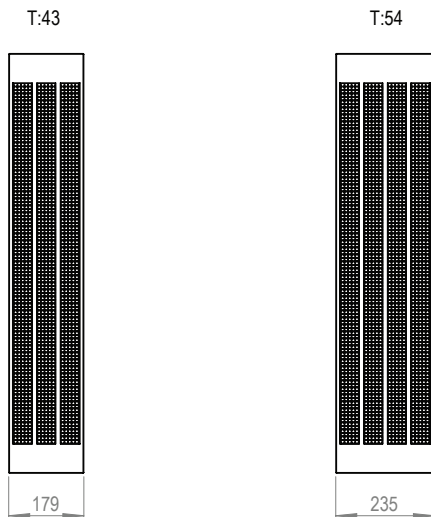
Drawing 6.2

Height 400 mm Bench



Drawing 6.3

## DEPTH



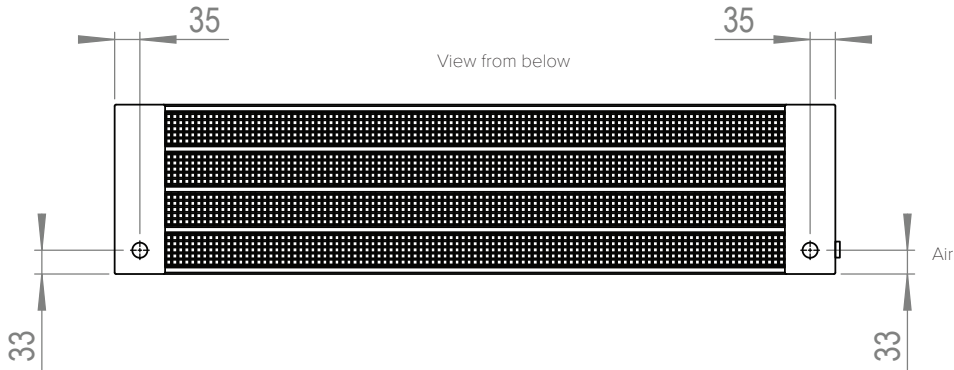
Drawing 6.4

## BUILT-IN DIMENSION

Hudevad Piso Fortis are delivered with built in feet (standing consoles). The tappings are built-in to the underside of the convector, inside the consoles. There are three possible tapping configurations. Tapping Code 50 has one tapping in each console, and either one can be chosen for flow and return. Tapping codes 52 and 53 have both tappings in the right and the left console, respectively. Plate coverings with a cut-out for the thermostat are included. The flow pipe is always placed furthest in (closest to the wall), which allows for a concealed and protected placement of the thermostat, while still being accessible.

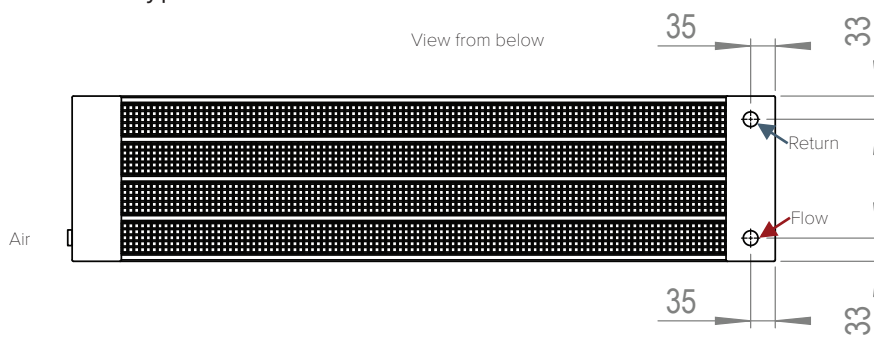
Tapping code 50 - all types

Drawing 7.1



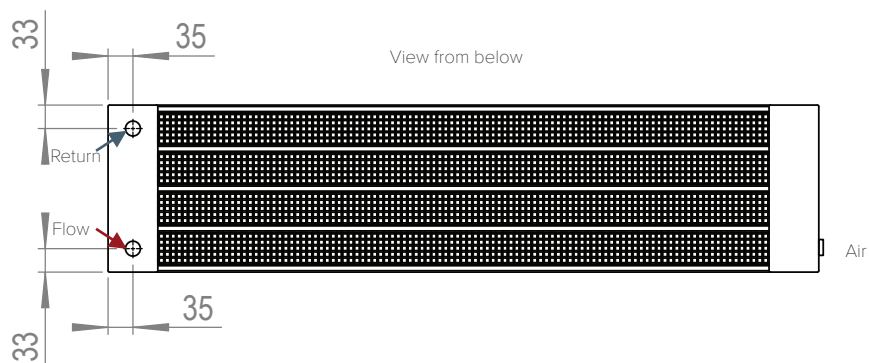
Drawing 7.2

Tapping code 52 - all types



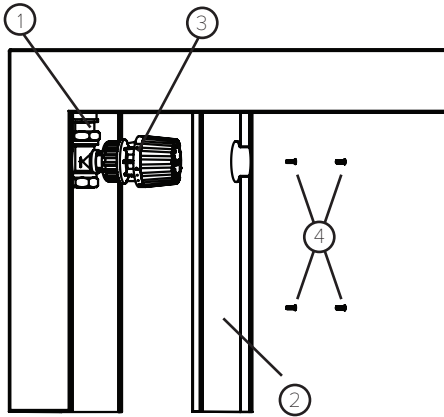
Tapping code 53 - all types

Drawing 7.3



# INSTALLATION

In order for the installation to be as discreet as possible, the pipes should come from the floor and be hidden in the floor bracket. It also houses a valve and thermostat which is thus well protected and at the same time regulates the power output for optimal indoor climate.



Hudevad Piso Fortis is adapted to fit straight radiator valves DN15 (1) for connection to the floor. The side on which the connection is located is equipped with a cover plate (2) with a cut-out hole for the thermostat (3). The plate is fastened with the corresponding screws (4).

Shut-off valve can be mounted on the return connection. This will be completely hidden when the cover plate is mounted. The valve is always intended to be mounted in the connection closest to the wall. In this way, the valve and the thermostat will be well protected, but at the same time accessible.

# OUTPUT

## PISO FORTIS

### FORTIS 190 MM AND BENCH

Type	Height, mm	W/metre 75°/65°/20°	Output			Water content litres/ metre	Weight kg/ metre
			W/metre 70°/40°/20°	W/metre 60°/30°/20°	W/metre 60°/30°/20°		
43	190	632	378	228	2.10	10.70	
54	190	804	479	288	2.70	13.50	

### FORTIS 260 MM

Type	Height, mm	W/metre 75°/65°/20°	Output			Water content litres/ metre	Weight kg/ metre
			W/metre 70°/40°/20°	W/metre 60°/30°/20°	W/metre 60°/30°/20°		
43	260	964	570	339	4.30	21.10	
54	260	1219	715	423	5.50	26.70	

### FORTIS 330 MM

Type	Height, mm	W/metre 75°/65°/20°	Output			Water content litres/ metre	Weight kg/ metre
			W/metre 70°/40°/20°	W/metre 60°/30°/20°	W/metre 60°/30°/20°		
43	330	1210	705	414	6.40	31.30	
54	330	1634	951	558	8.00	39.70	

### FORTIS 400 MM

Type	Height, mm	W/metre 75°/65°/20°	Output			Water content litres/ metre	Weight kg/ metre
			W/metre 70°/40°/20°	W/metre 60°/30°/20°	W/metre 60°/30°/20°		
43	400	1560	900	523	8.60	39.20	
54	400	2049	1154	655	10.70	50.40	



# ACCESSORIES

## DANFOSS ACCESSORIES

Drawing 9.1



Danfoss straight running valve 40130014

Danfoss thermostat RA 2990 40132610

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

# AVAILABILITY MATRIX

## ALL TAPPING CODES

Lgth/ Type	Height 190 mm		Height 260 mm		Height 300 mm		Height 400 mm		Height 400 mm Bench	
	43	54	43	54	43	54	43	54	43	54
1000	●	●	●	●	●	●	●	●	●	●
1100	●	●	●	●	●	●	●	●	●	●
1200	●	●	●	●	●	●	●	●	●	●
1400	●	●	●	●	●	●	●	●	●	●
1500	●	●	●	●	●	●	●	●	●	●
1600	●	●	●	●	●	●	●	●	●	●
1800	●	●	●	●	●	●	●	●	●	●
2000	●	●	●	●	●	●	●	●	●	●
2200	●	●	●	●	●	●	●	●	●	●
2400	●	●	●	●	●	●	●	●	●	●
2500	●	●	●	●	●	●	●	●	●	●
2600	●	●	●	●	●	●	●	●	●	●
2800	●	●	●	●	●	●	●	●	●	●
3000	●	●	●	●	●	●	●	●	●	●