



Schematic representation – wall panel Lindner Thermowall Type 3

## Description

The Lindner Thermowall was specially developed for use in operating rooms and clean rooms.

For heating or cooling, heating or cooling coils are attached to the rear of the planking.

The advantage of this system is that heating or cooling surfaces can be flexibly integrated into rooms. Due to the continuous smooth and closed surface, the system is more optimal from a hygienic point of view than a radiator.

**Advice:** HPL is a moisture-sensitive material that reacts to unilateral, permanent, strong fluctuations in humidity by changing its length. Deformations due to this fact are reversible.

During running and especially during commissioning, large fluctuations in room humidity must be avoided.

During commissioning, we recommend keeping the deviation and fluctuation within 10% of the room air humidity per day when starting the system.

## Technical Data

Dimensions	project-oriented production
Standard width (dim. between axes)	1200 mm
Partition heights	up to 3500 mm
Joint width between elements	4 to 8 mm (4 mm standard)
Connection of heating and cooling technology	The respective active wall panels can be connected in parallel or in series up to a pressure drop of approx. 30 kPa. The connection to the distributor line is made by means of flexible tubes.
Heating and cooling capacity	<u>HPL wall shell with aluminium heat conducting profile and copper pipe:</u>  Nominal heating capacity (15 K) ca. 100 W/m <sup>2</sup> Nominal heating capacity (29,5 K) ca. 216 W/m <sup>2</sup> Nominal cooling capacity (10K) ca. 65 W/m <sup>2</sup>  according to DIN EN 14240

The temperature differences for determining the nominal heating and cooling capacity are derived from the heating/cooling medium temperature and the room temperature.

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