

MODULAR WALL HEATING AND COOLING

The Modular Wall



www.variotherm.com

VARIOTHERM

3 Good reasons for feeling good

1 THE EFFICIENT WALL

The Variotherm Modular Wall is an extremely energy efficient heating and cooling system which provides high output and works with low temperatures. In combination with alternative energy sources in particular, that means up to 25% lower heating costs!

2 THE FLEXIBLE WALL

The panel system made of gypsum fibre panels that have been tested for their healthy building properties can be flexibly installed on walls and sloping ceilings. Heating, cooling and complete wall are perfectly combined in a single product.

3 THE COSY WALL

During the winter, Variotherm Modular Panels give out gentle radiant heat. In the summer, they effectively cool the room down to a pleasant temperature.





*Our system
is so cool*

In TOUCH – our
room thermostat
enables simple control
with advanced features!



HERE'S HOW IT WORKS

Fix panels to battens. The VarioModular pipes are already fully integrated in the rear of the gypsum fibre panels. Connect the pipes between panels and manifold. The Modular Wall is finished. The Modular Panels are installed onto metal or wooden battens. Heating and cooling all in one!

ON THE SLOPING ROOF

Extended penthouse flat? Cool! The Variotherm Modular Panels can be perfectly adapted to any sloping ceiling or complex roof structure. They heat and cool any room in a particularly pleasant way. Free of forced air and completely silent.

ON THE WALL

Ideal for stud walls, prefabricated houses, penthouse flats and environmentally sensitive renovation: The flexible panel system is compatible with all your design ideas. Plug sockets, light switches, or pictures on the wall can be easily accommodated.





Our video shows the conversion process from radiator to a Modular Wall heating and cooling system.
www.variotherm.com/en/refurbishment2.0

VIDEO



Flexible usage options. Flexibly adaptable.
 In bathrooms, bedrooms and living areas.
 Perfect for all design requirements.



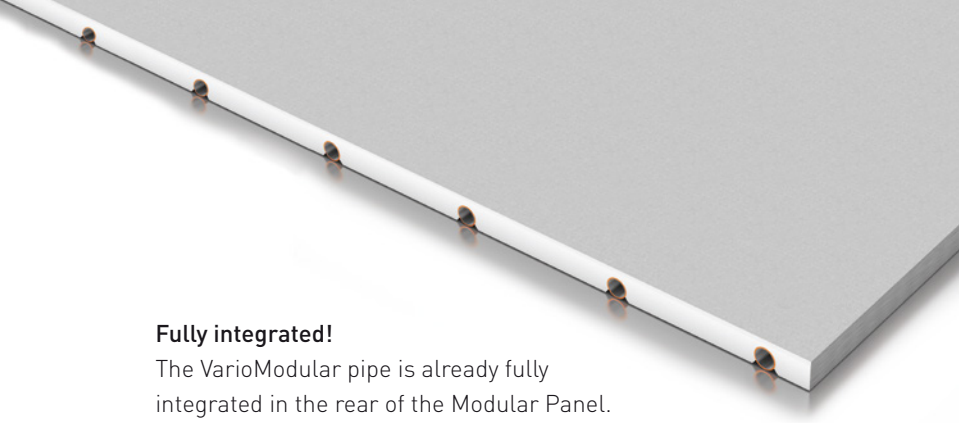
That's how creative the world of living is with the Variotherm Modular Wall! Simply set in front of a wall it looks like a colourful style element.



Renovation in a listed building. Our video shows how easy it is to install a Modular Wall heating and cooling system.
www.variotherm.com/de/sanieren2.0

VIDEO





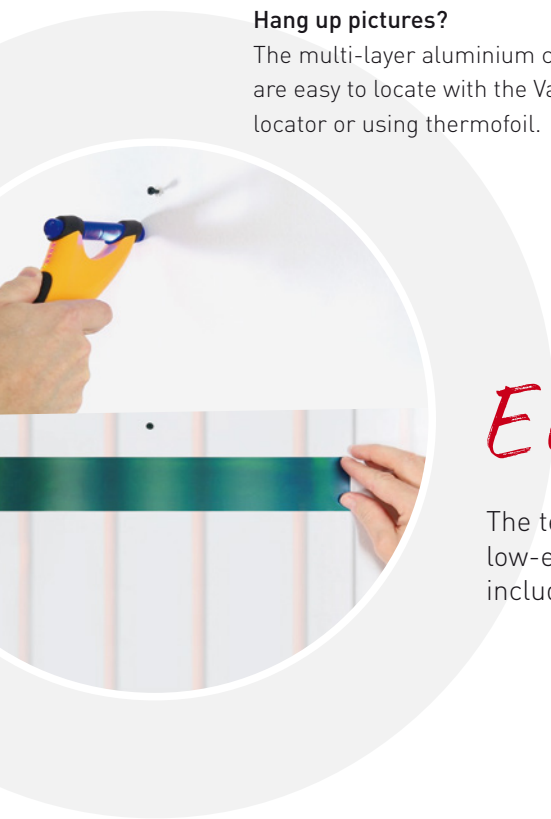
Fully integrated!

The VarioModular pipe is already fully integrated in the rear of the Modular Panel.



Secure connections. Guaranteed!

The pipe connections are 100% tight. Once pressed, they last a lifetime.



Hang up pictures?

The multi-layer aluminium composite pipes are easy to locate with the Variotherm pipe locator or using thermofoil.

Everything you need

The technology for healthy radiant heat and comfort. Perfect for low-energy construction, but also for any renovation and extensions, including roof extensions.



From heating to cooling in no time at all.

The TOUCH HK room thermostat regulates the room temperature quickly and easily.

Clever stuff!

All Variotherm heating and cooling distribution manifolds are fully assembled and pressure-tested.





Technology and panel types

FASCINATING. EVERYTHING COMPLETELY SIMPLE.

Our Modular Wall is a complete system designed by Variotherm, based on the most advanced heating and cooling principles. Here, heating, cooling and complete wall are perfectly combined in a single product.

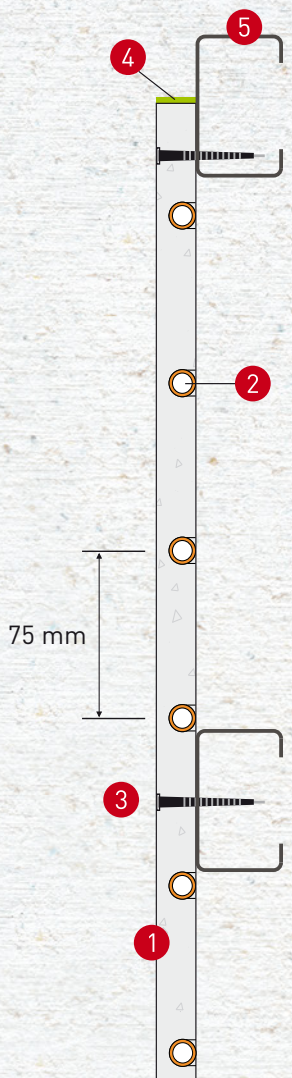
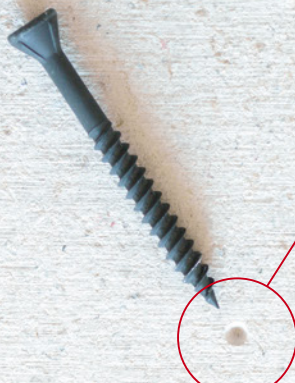
The VarioModular pipes, which are designed to provide optimum heat transfer, are already integrated in the rear of the gypsum fibre panels, which have been tested for their biological properties.

SPECIALLY DESIGNED. DOWN TO THE SMALLEST DETAIL.

Variotherm has designed all of the details to make the installation steps quick and easy to complete. For example, you will find pre-marked drill holes on all Modular Panels. These make it possible to precisely position the screws which are arranged between the pipes.

TESTED. SAFE IS SAFE.

Climate friendly. Environmentally friendly. Quality certified. Fireproof. The Modular Wall meets the highest safety standards, and has, been tested for fire protection safety according to EN 1363-1, EN 1364-1 and EN 1365-2 by the IBS Linz Institute for Fire Protection Technology and Safety Research. Test number: 10111710.



Modular Wall



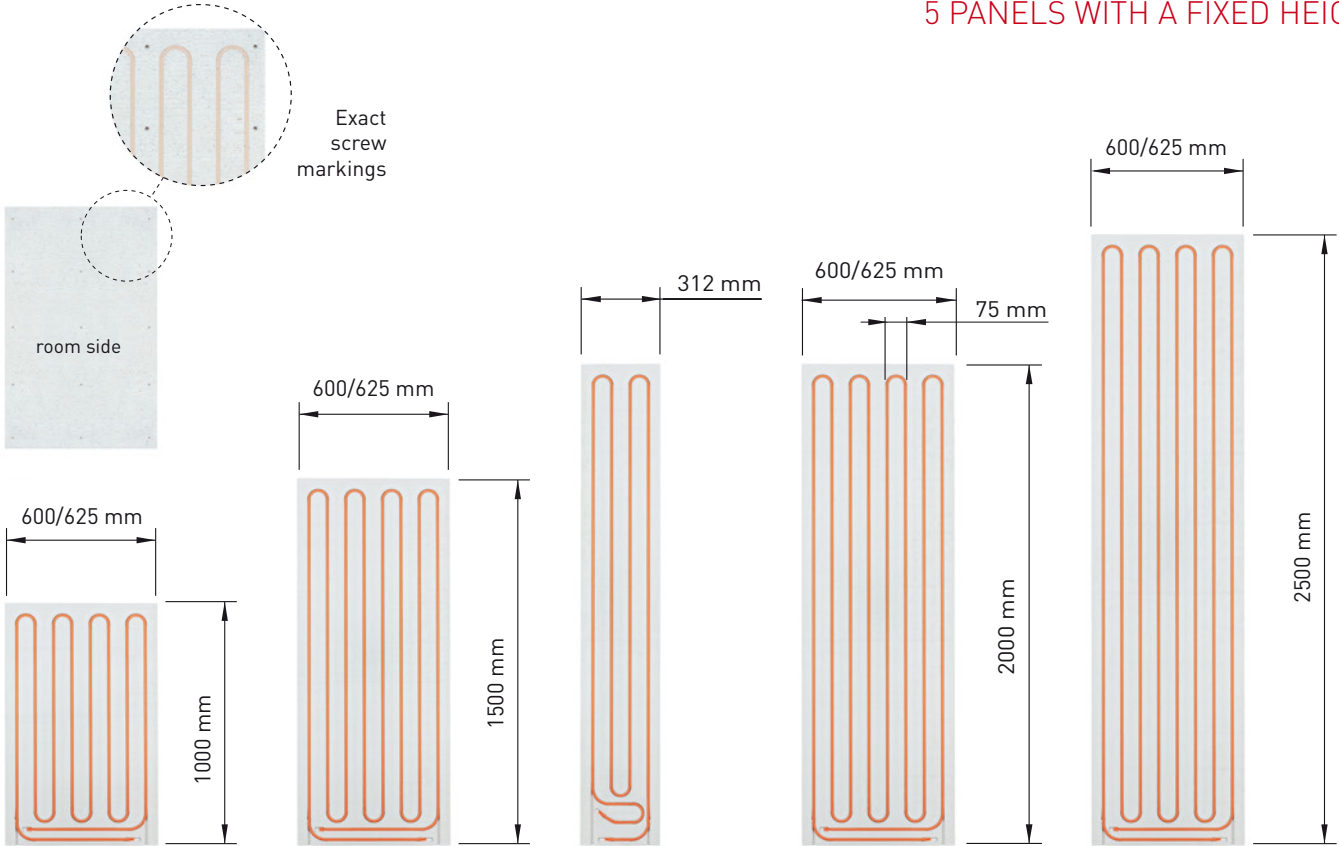
The VarioModular pipes are integrated into the rear of the panel.



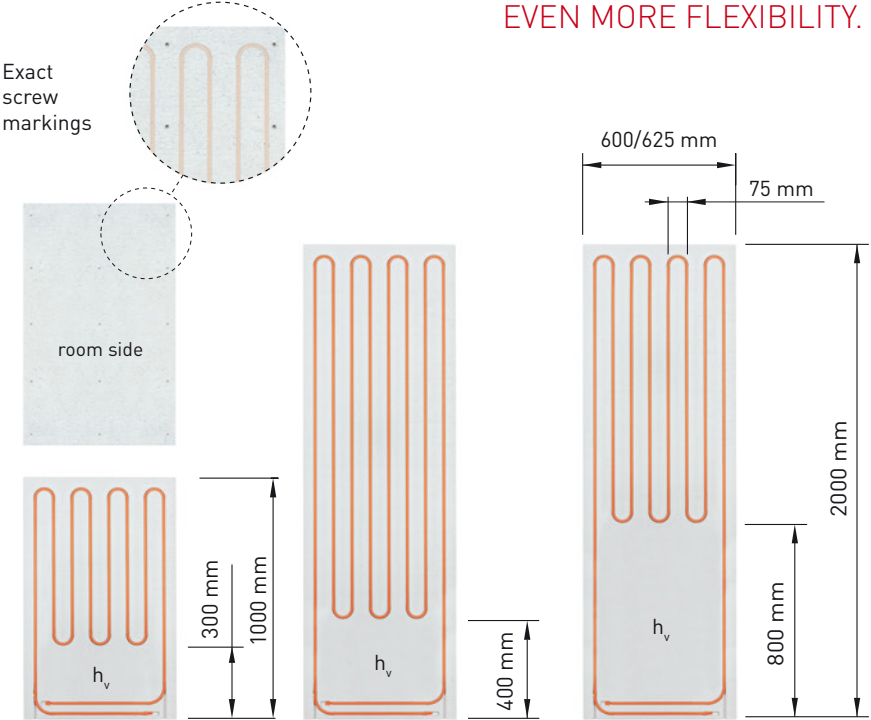
Structure of a Modular Wall

- 1 Gypsum fibre panel 18 mm
- 2 VarioModular pipe 11.6 x 1.5 mm
- 3 Fastening screws
- 4 Joint adhesive
- 5 Substructure (metal or wood)

5 PANELS WITH A FIXED HEIGHT



3 PANELS WITH A VARIABLE HEIGHT. EVEN MORE FLEXIBILITY.



1:1 depiction of the rear side with the integrated 11.6 x 1.5 VarioModular pipe. The unique milling technique enables the pipe to optimally transfer heat to the panel.

h_v variable range: Height adjustment, sockets, etc.

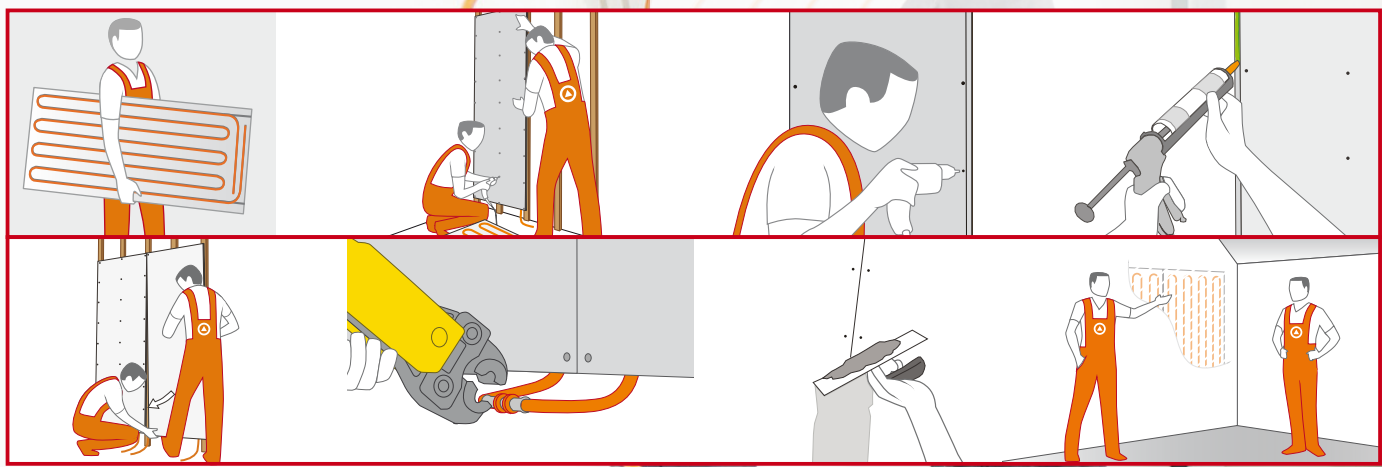
THE SUBSTRUCTURE **1**

Similar to plaster boards the Modular Panels are installed onto metal or wooden battens.



INSTALLING THE MODULAR PANELS **2**

Align the panel into position. Screw onto the pre-marked locations. Apply joint adhesive along the edge for a perfect hold. Set up the next panel, fit it into place and affix.



*The installation
is straight forward
with clear and
comprehensive
manuals*

3 FINAL INSTALLATION

Connect the VarioModular pipes using press-fit couplings. That's it! The panels are skimmed. The wall is then ready for finished painting or tiling.



Secure connections.
Guaranteed! The pipe
connections are 100% tight.
Once pressed, they last a
lifetime.

VARIOTHERM

Heating. Cooling. Comfort. For a lifetime.

GUARANTEED BY STRONG ARGUMENTS

- The Variotherm Modular Wall combines heating, cooling and finished wall all in one
- Ideal for living room, bedroom, bathroom, hallways; for renovation and new build
- Energy saving, high output and low temperature system
- For cooling: silent, free of forced air, energy saving – pleasant room temperature guaranteed
- Flexible complete system: 8 Modular Panels enable you to fulfill all design requirements
- Fireproof gypsum fibre panels tested for their biological properties
- Healthy radiant heat for optimum comfort
- 10 year guarantee

ALSO AVAILABLE FROM VARIOTHERM



DRYWALL CONSTRUCTION SYSTEM - 20 mm



SCREED SYSTEMS



HEATING / COOLING UNDER PLASTER



CEILING COOLING / HEATING

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PRODUCT VIDEO



YOUR VARIOTHERM PARTNER

