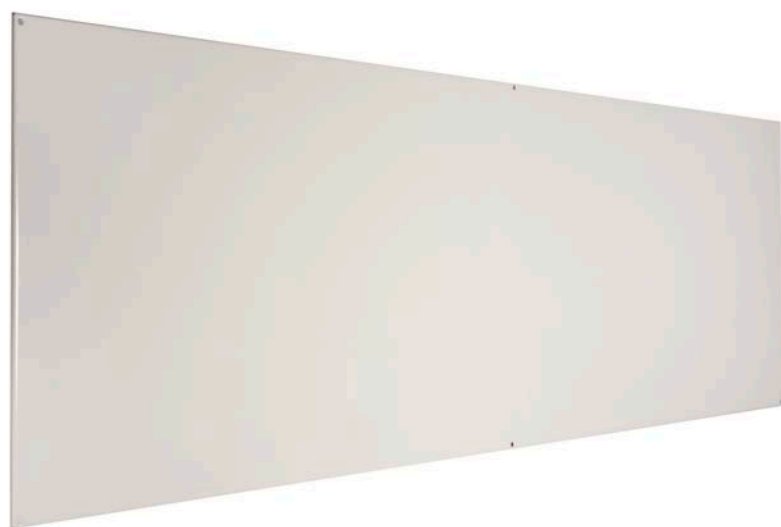


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# Flat Panel Radiators

## Type FPR

Sinus-Jevi type FPR panel radiators are ultra-slim electric (convection) radiators for space heating. Due to the fully flat surface there are no protrusions at the front. Therefore in particular applicable in clean (hygienic) areas.



**SINUS**  
**JEVI** 



Liquids



Gasses



Solids

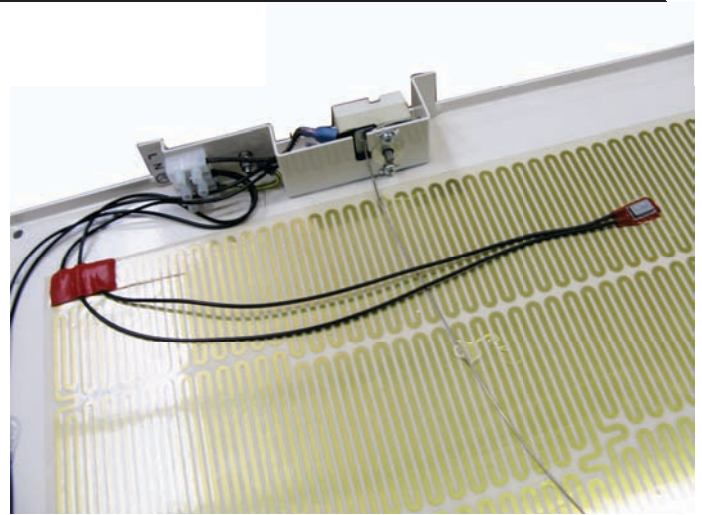


Spaces



Resistors

Sinus-Jevi type FPR panel radiators are ultra-slim electric (convection) radiators for space heating. They are suitable for being countersunk mounted. Due to the fully flat surface there are no protrusions at the front. Therefore in particular suitable in clean (hygienic) areas. The radiator can be integrated perfectly into the current (modern) architecture, where "clean" design is an issue. The panel radiator features an adjustable thermostat and fixed setpoint thermal protection. The average surface temperature is about 60°C at an ambient temperature of 20°C. The FPR is meant to be controlled by an external room temperature control system (e.g. a room thermostat).



*interior side incl.  
capillair thermostat*



*interior side incl.  
safety thermostat*

**A NUMBER OF REASONS FOR CHOOSING OUR  
PANEL RADIATORS TYPE FPR:**

- Power is equally divided across the entire active area.
- Easy installation, maintenance free and long life.
- Pleasant warmth, no fire hazard.
- Noiseless when in use, no moving parts.
- Frost-proof, no frost-sensitive components are present.
- Easy adjustable, heater can be accurately controlled by means of an electronic (PID) controller.
- The low surface temperature is suitable for placement in person accessible areas.



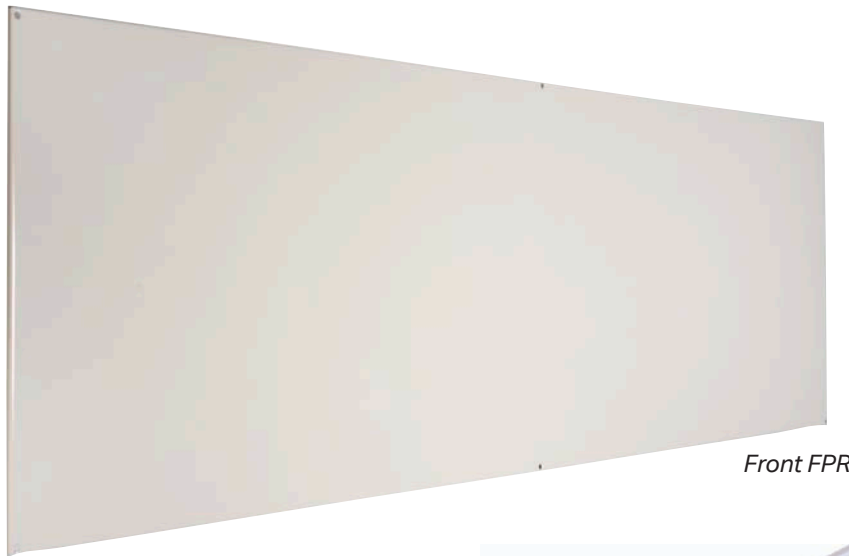
*interior side incl.  
capillair*

**CONSTRUCTION**

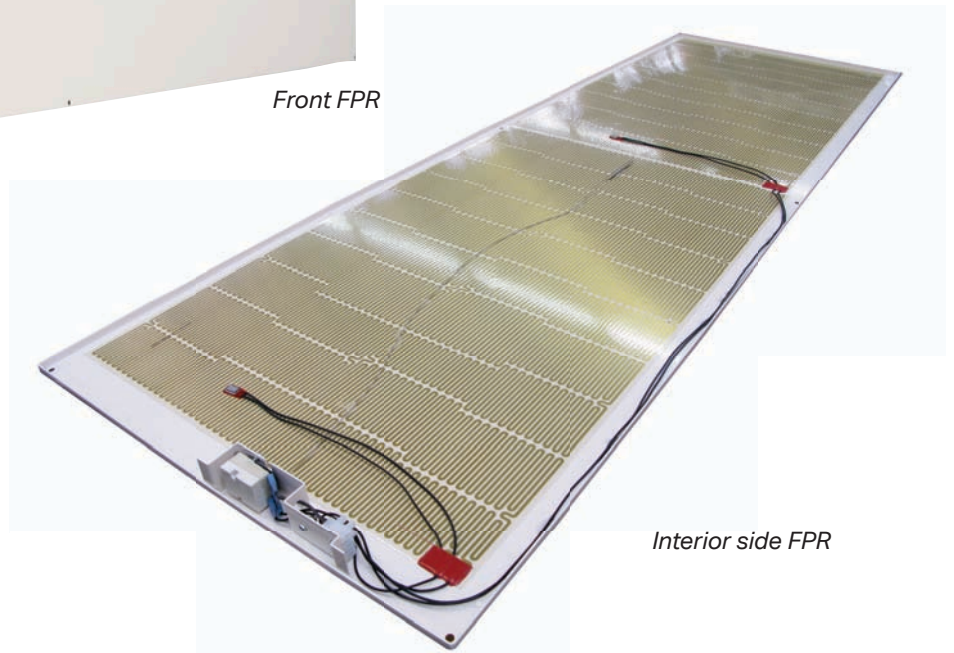
The panel radiator type FPR consists of a steel plate (St.37) containing the thermostats as well as the polyester heating elements.

**Finish:** Heat resistant coating RAL 9001.

The elements consists of polyester insulation with brass resistance traces in between. The heating elements have been pasted by means of a self-adhesive layer on the metal radiator plate. A capillair thermostat (range: 30°C... 110°C) is mounted at the backside to limit the surface temperature. There's a fixed set thermal protection which switches off the heater when the panel temperature rises above 90°C. These radiators are produced on request only.



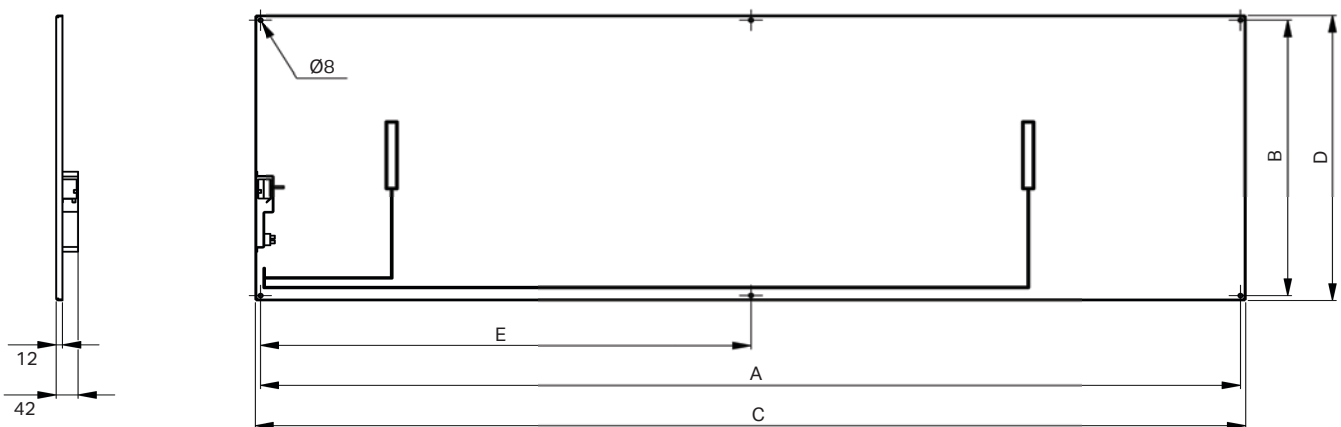
Front FPR



Interior side FPR

| Type          | Output                    | Voltage  | Length (A) | Height (B) | Length (C) | Height (D) | Length (E) | Article number |
|---------------|---------------------------|----------|------------|------------|------------|------------|------------|----------------|
| FPR 1000 MK V | 1000 Watt<br>(2x500 Watt) | 230 V AC | 1180 mm    | 580 mm     | 1200 mm    | 600 mm     | 590 mm     | 929 010 230A   |
| FPR 1300 MK V | 1300 Watt<br>(2x650 Watt) | 230 V AC | 1880 mm    | 580 mm     | 1900 mm    | 600 mm     | 940 mm     | 929 013 230A   |

The types as mentioned above are also available in other voltages, outputs and dimensions.



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# SINUS JEVI

Sinus is one of the pioneers in the field of explosion proof heating equipment, today we are still operating at the forefront. We manufacture according to ATEX as well as IECEx and EAC directives.

For the production of Ex-proof equipment a PQAN (Product Quality Assurance Notification) is issued by TUV-Nord. Our ISO-9001 and ISO-14001 systems are also monitored by this organisation.

## NIBE