

Type HAP 200

200 °C

Pressure-proof aluminium electric heating plate

Applications:

These can be fabricated for use in warming tables, cabinet heaters, cooling tables, heating plates for form carriers or even radiating heaters for household use.

HAP 200 aluminium heating plates cover a temperature range of up to 200°C. They can handle extreme pressure loads and are impact and vibration resistant. Their shapes can be individually fabricated – whether round, oval or L-shaped. Special designs with cut-outs, bore holes and bolt threads are possible. Even combinations with liquid and air channels for cooling can be implemented.



Operating temperature:	200 °C maximum, optionally 250 °C
Rated voltage:	12 ... 500 V AC/DC (one, two, or three phase)
Rated power:	up to 5000 W/m ²
Material:	aluminium (AlMg3 EN-AW-5754), optionally stainless steel
Dimensions:	100 x 100 mm to 1250 x 2500 mm
Heater element thickness:	4 / 6 / 7 / 8 / 9 / 10 / 12 mm, special dimensions possible
Weight / m²	thickness: 4 mm about 11 kg, 6 mm about 16 kg, 8 mm about 21 kg, 10 mm about 26 kg
Surface:	rolled aluminium, others on request (painted, anodized, etc.)
Temperature sensor (optional):	PT100 / Fe-CuNi (J)
Connecting cable:	3 m long, with or without plug
Plug connection:	see table on page 84
Ingress protection:	IP 40 - IP 65 (EN 60529), depending on heating conductor
Safety class:	I
Sensor regulation:	via our HT - 40 microprocessor regulator unit
Pressure load:	depending on heater element thickness

Sensors can be placed either in or on the heating plate to monitor temperature or provide regulation. Our HTI 16 integral temperature regulator can make use of the built-in heating conductor as a sensor to monitor the heating plate's limit temperature and in parallel make use of a separate probe to precisely regulate the temperature of the medium. Our temperature regulators can be found in Chapter 6.