

ThermoCube

With *ThermoCube* you can rely on space
optimisation without compromises

- Compact
- CO2-neutral
- Industrial quality



ThermoCube

AURA has transferred its many years of experience in system construction into a standardised series of electric heaters.

ThermoCube offers you a prefabricated, comprehensive and tried-and-tested system that can be adapted to your requirements by simple configuration.

Space-saving and yet no compromises in terms of safety, functionality and quality.

All compact systems are manufactured in accordance with European, US-American or Chinese regulations, depending on customer requirements. They are designed to realise both high heating and cooling ramps.

Features

The output range of *ThermoCube* covers a heating capacity of 75 kW to 300 kW with a volume flow of up to 60 m³/h and a media temperature of up to 400°C. The infinitely variable output control allows targeted and efficient use of the system. You can also choose whether you require additional options such as a cooler, drip tray or a stand-by pump.

The maximum dimensions are 3300mm x 1600mm x 2600mm (LxWxH).

ThermoCube covers a wide range of requirements in the smallest of spaces and can be used in many different areas.



ThermoCube combines both ecological and economic advantages.

ThermoCube offers an innovative solution for a sustainable energy supply.

Powered by electricity, it is independent of the volatile fossil fuel market. This is not only economically advantageous; ThermoCube can be operated completely CO2-neutral by using renewable energy. This not only means a reduction in greenhouse gas emissions, but also completely eliminates unwanted emissions such as nitrogen oxides.

Another advantage of electric operation is that it is less susceptible to maintenance and repairs. As no combustion process is required to generate heat, there is no wear and tear that is usually associated with these processes. This extends the service life of our systems considerably.



ThermoCube is quick, easy, reliable and safe to install and operate. The technology enables infinitely variable control, which ensures precise customisation to your specific requirements.

ThermoCube provides you with a space-saving, high-quality thermal oil system tailored to your requirements.

Due to the standardization of our compact system, we are able to send you an individual offer based on your request within 24 hours (working day).

Take the path to a more efficient and sustainable industry now and benefit from our standardized product line.

See all options

All compact systems offer the following advantages:

- Experience in the design and manufacture of thermal oil systems since 1982
- Quality and safety standards based on chemical industry and applicable regulations
- Extremely high control accuracy
- Oil-friendly process engineering design
- Low space requirement with high performance
- Safety and control components and pump(s) only from renowned German suppliers
- Infinitely variable output control
- Independence from fossil fuels
- Thermal efficiency close to 100%
- Can be used as a direct circuit - no additional control station required
- "Plug and play" system



Temperature	≤ 300°C	≤ 350°C	≤ 400°C
Heating capacity	75 kw - 300 kw	75 kw - 300 kw	75 kw - 300 kw
Heat carrier	Marlotherm SH or equivalent	Marlotherm SH or equivalent	Syltherm 800 or equivalent
Volume flow	30 - 60 m3/h	30 - 60 m3/h	51 - 60 m3/h
Flow and return line	DN80 PN16	DN80 PN16	DN80 PN16
Pump type	Blockpump - Simple mechanical seal	Block pump - Magnetic coupling pump	Block pump - Magnetic coupling pump
System oil content	max. 500 dm3	max. 500 dm3	max. 350 dm3
Expansion vessel	Integrated	Integrated	Integrated
Regulation	PLC	PLC	PLC
Interface	ProfiNet	ProfiNet	ProfiNet
Painting	RAL 7035	RAL 7035	RAL 7035
Dimension	2600mm x 1600mm x 2600mm	2600mm x 1600mm x 2600mm	3300mm x 1600mm x 2600mm
Insulation	Included	Included	Included
Housing	Included	Included	Included
System safety regulation	DIN4754 or TSG11-2020	DIN4754 or TSG11-2020	DIN4754 or TSG11-2020
Standards	<u>Europa</u> (PED 2014/68/EU, AD2000, DIN4754, Machinery Directive 2006/42/EC) oder <u>USA</u> (ASME VIII-1, ASME B31.3, Machinery Directive 2006/42/EC) oder <u>China</u> (TSG11-2020)	<u>Europa</u> (PED 2014/68/EU, AD2000, DIN4754, Machinery Directive 2006/42/EC) oder <u>USA</u> (ASME VIII-1, ASME B31.3, Machinery Directive 2006/42/EC) oder <u>China</u> (TSG11-2020)	<u>Europa</u> (PED 2014/68/EU, AD2000, DIN4754, Machinery Directive 2006/42/EC) oder <u>USA</u> (ASME VIII-1, ASME B31.3, Machinery Directive 2006/42/EC) oder <u>China</u> (TSG11-2020)
Cooling	As option (190kW bei 100°C)	As option (190kW bei 100°C)	As option (190kW bei 100°C)
Standby-Pump	As option	As option	As option
Nitrogen Blanket	As option	Included	Included
Drip tray	As option	As option	As option