

Thermal Technology – Oil



max °C	⚙️ kW	❄️ kW/150K	Ltr/min, bar	L/B/H mm	kg	Types
250	10-20	20-40-60	60, 6	950/380/850	160	3201
320	10-20	20-40-60	60, 6	950/380/850	160	4201
350	20	20-40-60	75, 11	950/380/925	180	5201
250	2x10-20	2x20-40-60	60, 6	950/440/1125	280	3212
320	2x10-20	2x20-40-60	60, 6	950/440/1125	280	4212
350	2x20	2x20-40-60	75, 11	950/500/1250	320	5212



Structure

Solid housing framework, integrated switch cabinet. Easy accessibility through removable doors and covers. Optimal heat exchange thanks to approved pressurized heating and cooling system.

Register

Heating and cooling system designed in the form of a pipe register system. Advantage: High degree of flexibility in the installation of heaters or coolers. Special ceramic fiber for optimal thermal insulation.

Heater

Casted in aluminium. Integrated channels for heat transfer fluid. Heater temperature monitoring.

Cooler

Stainless steel pipe casted in aluminium. Channeled pressurized cooling water.

Feed Technology

Magnetic coupled periferial pumps for leak-free operation, alternatively gear pumps. Feed pump with reservoir, automatic ventilation, cold oil overlap, oil return suction.

Process Control

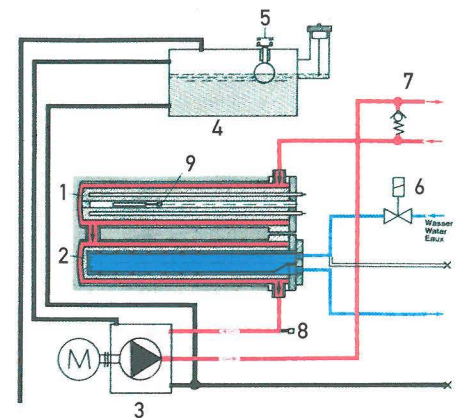
Important: Permanent process control.
Simple: Operator panel with big keys.
Easy to read: Digital display of setpoint/actual temperature.
Advantageous: Self-optimizing microprocessor.
Practical: Start - Production - End - Stop - mode.
Clear: Status and error indication.
Reliable: Interrogation possibility of internal machine conditions.
Control: Monitoring of pump motor.
Automatic: Switching of heating and cooling stage.
Individual: Supervision of heater temperature and heat transfer fluid level
Optimal: Safety shutoff in case of overtemperature.
Integrated: Operating hours meter.

Accessories

Pressure measurement, flow rate indication, integrated weekday time switch, pause time switch, RS485 interface, external sensor: Fe-CuNi/PT100, leak-stop-operation, blow out device for cooling water, automatic oil return suction, alarm system.

Systemstructure

- 1 Pressurized convection heater
- 2 Pressurized convection cooler
- 3 Feed pump with reservoir
- 4 Expansion tank and fluid reservoir
- 5 Supervision of heat transfer fluid level
- 6 Solenoid valve for cooling water
- 7 Bypass
- 8 Temperature sensor - heat transfer fluid
- 9 Temperature sensor - heater



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