

# Thermal Technology – Oil



max °C	⚙️ kW	❄️ kW/150K	Ltr/min, bar	L/B/H mm	kg	Typs
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

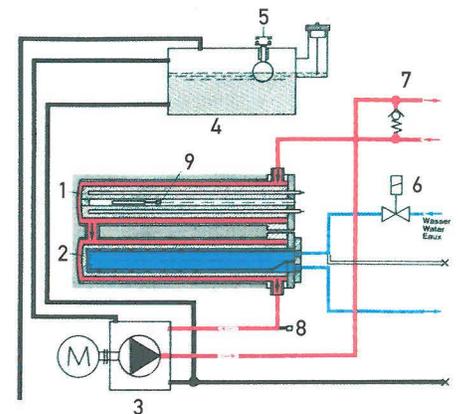
Important: Permanent process control.  
Simple: Operator panel with big keys.  
Easy to read: Digital display of setpoint/actual temperature.  
Advantageous: Self-optimizing microprocessor.  
Practical: Start - Production - End - Stop - mode.  
Clear: Status and error indication.  
Reliable: Interrogation 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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