Oil tempering units
6 to 75 kW heating power

The oil tempering unit is designed as a stand-alone unit for a duty cycle of 100%. The tempering unit can also be controlled by an external controller using the provided interfaces. If necessary, application-specific control parameter sets and additional, customer-specific logical control tasks can be integrated into the unit’s software.

Technical specifications (for example of 45 kW unit):
- Heating power: 45 kW (5 x 9 kW)
- Flow temperature: 145°C max.
- Pump power: 1,5 kW max.
- Flow volume: 75 l/min max.
- Operating medium: according to customer specifications
- Cooling: direct or indirect
- Dimensions: 1050x370x930 mm
- Internal control: PLC with PI control
- Setpoint/actual value: Display can be switched
- Setpoint specification: Internal
- Sollwertvorgabe: External DC 0-10 V
- Actual value output: Internal/external (via floating contacts)
- Start/stop: Internal/external
- Max. permitted ext. volume: 4.5 litres

Additional functions (optional):
- Two permanently stored temperature PI control parameter sets (“dynamic” and “slow-acting”)
- External preselection and switching of PI control parameter sets (“dynamic” and “slow-acting”)
- Bypass valve between flow and return flow lines for quick limiting of heating power
- Additional heat transfer oil connection in flow and return flow lines for optional pre-tempering of oil
- 2-point controller function for oil pre-tempering
- 4-line control panel with function and cursor buttons for specifying setpoint and displaying actual value of oil
- Relay output for optional setpoint valve for oil pre-tempering
- PT100 analogue input for measuring actual value of oil temperature