

Low energy costs due to efficient technology

Temperature control unit teco cs 140e.1

b base.line



State-of-the-art usability:



Functional design

Reliability:



gwk "longlife" heating cartridge

Special features:



Robust peripheral pump

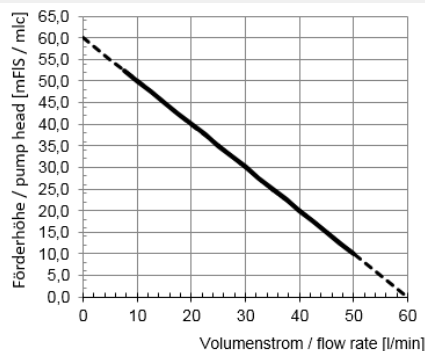


Direct heat transfer



Small footprint

Pump characteristic curve



The unit

Compact, universal and efficient temperature control unit for standard applications.

This high-quality standard model is characterised by its robustness, reliability, high degree of standardisation and ease of operation.

The particularly compact design enables a space-saving installation.

Essential technical data

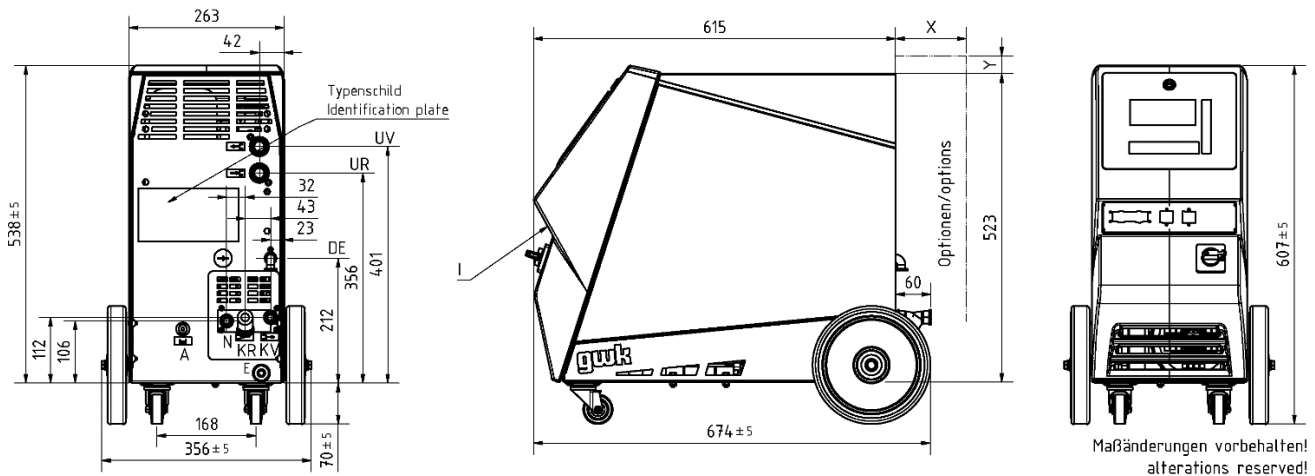
Temperature [°C]:	140
Heating capacity [kW]:	9
Cooling type:	indirect
Cooling capacity [kW]:	120
ΔT [K]:	115
Voltage [V]:	440-480
Mains frequency [Hz]:	60
Pump type:	peripheral pump
Max. flow rate [l/min]:	60
Pump motor [kW]:	1,1
Control cabinet IP rating:	IP 54
Dimensions (L/W/H) [mm]:	674 / 356 / 607
Circulating medium connection:	1/2"
Cooling medium connection:	1/4"

Essential USPs

- Easy one-touch operation and digital display
- "longlife" stainless steel heating cartridge
- Durable, magnetically coupled peripheral pump made of stainless steel (without a mechanical seal)
- Tankless unit for minimum oxygen intake
- All the essential medium-carrying parts, e.g. the pump, pipes and heat exchanger, are made of stainless steel
- Cooling via a solenoid valve
- Good accessibility for maintenance work and interfaces
- Flexible positioning thanks to the compact design
- Acoustic and visual alarm signal

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UV = circulation medium supply flow: G1/2 KV = cooling medium feed line: G1/4 A = drain: G1/8 DE = pressure relief: G1/4 E = electrical connection
UR = circulation medium return flow: G1/2 KR = cooling medium return line: G1/4 N = make-up system: G1/4 I = interface connector

Standard equipment (extract)

- Compact basic model with indirect cooling
- Wear-free semiconductor relays for controlling the heater
- Electronic temperature measurement in the feed flow
- Modern industrial design with an ergonomically placed one-touch control and digital display
- All the essential medium-carrying parts, e.g. the pump, heating chamber, heating cartridge, pipes and heat exchanger, are made of stainless steel
- Dirt traps in the cooling medium feed line
- Sturdy castors
- Additional acoustic and visual alarm indicators in the front of the control cabinet
- IP54 control cabinet
- Colours:

Unit cover:	RAL 7012
Side panels:	RAL 2004
Unit front:	RAL 7012

Optional equipment (extract)

- RAL colour instead of standard design
- Optional connection of an external PT 100 sensor
- Optional connection of an external FeCuNi sensor
- RS 485 or TTY 20 mA serial interface (current loop)
- Analogue interface
- PROFINET interface
- PROFIBUS interface
- Shut-off valves in the circulation circuit and cooling medium circuit
- Dirt trap in the circulation medium return flow