



SINGLE Water-operated control units for temperatures up to 225°C

The new SINGLE high-temperature control units are specially designed for temperatures up to 225°C, i.e. below pressure overlays and far above the atmospheric boiling point. With a maximum system pressure of 30 bar, they meet the most stringent safety requirements. The highly compact systems with a heating capacity of 6 kW and a flow rate of up to 30 l/min are built with top-quality components and offer wear-resistant flow metering as a standard.

In contrast to heat-transfer oil, water used as a circulating medium provides numerous physical and economic benefits – particularly for high operating temperatures. The heat transfer characteristics of water are far superior to those of oil: its high specific heat transfer capacity is second to no other liquid media. Water also provides many ecological benefits.

The hot-water control unit for temperatures up to 225°C meets all requirements of state-of-the-art injection molding of high-temperature polymers such as PEEK, which are important for applications such as medical engineering parts.

General

- Rugged, powder-coated sheet steel housing
- Automatic filling and replenishing
- Roller mounted

Hydraulics

- Incolloy heater
- Hydraulic equipment made from stainless steel
- High-quality pump materials
- Maximum pump delivery rate: 30 l/min
- Maximum pump pressure: 5 bar
- Dirt traps in return and cooling water supply line
- Flow metering by means of differential pressure

Electric and control equipment

- Intelligent SC standard controller with color display (optional SC professional)
- Heating control by solid state relay with fail-safe pilot contractor
- Heating capacity: 6 kW
- Cooling capacity: 5 kW
- Electronic safety temperature cut out
- Switch box to IP54
- Cable connector without plug

World premiere!
Water-operated control units for
temperatures up to 225°C.
Compact, reliable and profitable!



single
first choice
in temperature control