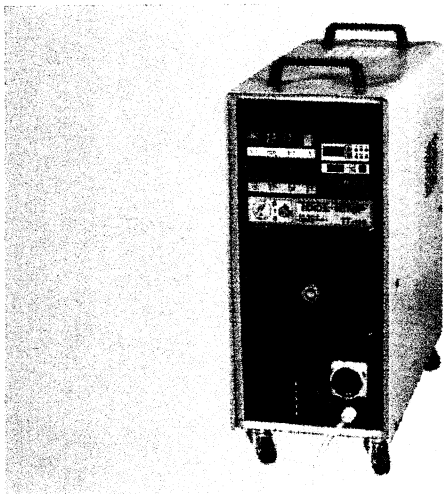


Temperature Control Unit TT-139

Temperature control unit
with pressurized water up to 140°C



Standard equipment

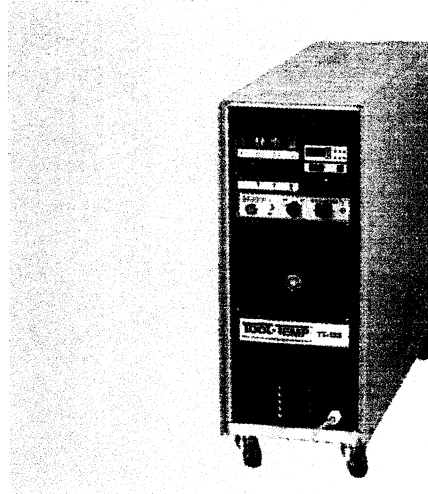
- ➔ Selfoptimizing microprocessor controller
- ➔ Automatic temperature monitoring
- ➔ Automatic water refill
- ➔ Level control
- ➔ Automatic aeration
- ➔ System pressure indication
- ➔ Horn with double tone in case of failure
- ➔ Cascade connection of the heaters
- ➔ Corrosion-free unit
- ➔ Safety devices
- ➔ Castors and handles

Technical data TT-139

Temperature range	with water up to 140°C
Temperature control	selfoptimizing microprocessor controller with digital display of the nominal and actual temperature
Heating power	6 kW
Cooling capacity	20000 kcal/h; 80'000 Btu/h at 120°C
Cooling system	indirect
Pump output	max. 4,0 bar /max. 100 l/min
Connections	water circuit R 1/2" female thread cooling water R 3/8" female thread
Weight	approx. 65 kgs empty
Dimensions	L 660 x W 305 x H 765 mm
Colour	silver grey RAL 7001 / anthracite grey RAL 7016

Temperature Control Unit TT-133

Pressurized water unit for temperatures
up to 140°C



Standard equipment

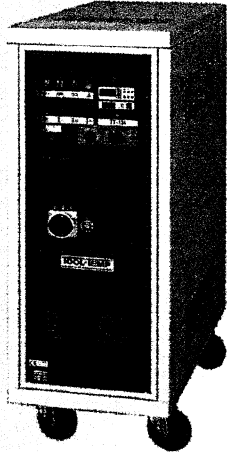
- ➔ Selfoptimizing microprocessor controller
- ➔ Automatic drain of mould, up to 80°C
- ➔ Leakstopper device, up to 80°C
- ➔ Automatic temperature monitoring
- ➔ Automatic water refill
- ➔ Switchable for external temperature control
- ➔ Level control
- ➔ Automatic aeration
- ➔ Indication of the system- and to mould pressure
- ➔ Horn in case of failure
- ➔ Cascade connection of the heaters
- ➔ Corrosion-free unit
- ➔ Safety devices
- ➔ Castors

Technical data TT-133

Temperature range	with water up to 140°C
Temperature control	selfoptimizing microprocessor controller with digital display of the nominal and actual temperature
Heating power	6 or 12 kW
Cooling capacity	47000 kcal/h; 188'000 Btu/h at 120°C
Cooling system	indirect
Pump output	pressure - max. 4,0 bar /max. 100 l/min vacuum - max. 8 mHzO
Connections	water circuit R 3/4" female thread cooling water R 3/8" female thread
Weight	approx. 90 kgs empty
Dimensions	L 840 x W 300 x H 770 mm
Colour	silver grey RAL 7001 / anthracite grey RAL 7016

Temperature Control Unit TT-134

Pressurized water unit for temperatures
up to 140°C



Standard equipment

- Selfoptimizing microprocessor controller
- Leakstopper device, up to 80°C
- Automatic temperature monitoring
- Switchable for external temperature control
- Automatic water refill
- Level control
- Automatic aeration
- Indication of the system- and to mould pressure
- Cascade connection of the heaters
- Horn in case of failure
- Corrosion-free unit
- Safety devices
- Castors

Technical data TT-134

Temperature range	with water up to 140°C
Temperature control	selfoptimizing microprocessor controller with digital display of the nominal and actual temperature
Heating power	18 or 24 kW
Cooling capacity	50000 kcal/h; 200'000 Btu/h at 120°C
Cooling system	indirect
Pump output	pressure - max. 4,0 bar /max. 100 l/min vacuum - max. 8 mHzO
Connections	water circuit R 3/4" female thread cooling water R 1" male thread
Weight	approx. 130 kgs empty
Dimensions	L 960 x W 390 x H 1070 mm
Colour	silver grey RAL 7001 / anthracite grey RAL 7016

Further models

for special applications

- TT-162 E/PHE** Units with extreme high cooling capacity
TT-162 H/PHE Temperature range from 20°C up to 90°C.
- TT-106 E**
TT-103 K Units with direct cooling. Temperature range from 15°C up to 90°C. Various pump delivery rates and heating powers.
- TT-154 E** Air cooled temperature control unit specially for PUR processing.
- TT-400** Unit for heating and cooling of reactors. Temperature range from -25°C up to +240°C.
- TT-135**
TT-136 Large units for water circuits up to 90°C resp. 140°C. Heating capacities from 24 kW up to 144 kW.
- TT-500** Large units for oil circuits up to 300°C. Heating capacities from 24 kW up to 96 kW.
- TT-100 Ex**
TT-200 Ex
TT-300 Ex
TT-360 Ex
TT-400 Ex Explosion-proof temperature control units in accordance with PTB specifications. Different temperature classes and heating capacities.

Detailed information see separate data sheet

Interfaces

Most of the models can be equipped with all known interfaces. Our special temperature controller contains more than 10 digital interfaces (for example: Current loop 20 mA, RS-232 C, RS-485, Euromap 17, etc.).

Analog interfaces are available with the standard temperature controller.

Specification subject to change without notice