

Unistat T305 HT

Heating Circulator with optical level indicator for closed systems and open baths. Powerful - regulated - cooling controlled with high temperature cooler (HT) on the heat exchanger. Magnetic coupled circulation pump made of stainless steel. Automatical capacity adaption for heating. Expansion tank (not thermoregulated) for closed systems, lockable for open baths. Heat exchanger, moistened parts and housing made of stainless steel. With adjustable overtemperature protection according to DIN 12876. Powerful variable speed pump (soft start) with integrated pressure control with optional external pressure sensor.

Pilot ONE:

The new Pilot ONE controller with pioneering technology and advanced control functions brings numerous advantages to routine work. The extensive features list includes a brilliant 5,7" TFT touchscreen display, USB and network connections, an integrated technical glossary and language support in 13 languages (EN, DE, FR, IT, ES, RU, CN, PT, JP, CZ, PL, KO, TR). The Pilot ONE has a convenient navigation system with easily remembered icons and menu categories which are colour sorted to make routine work simpler. Thanks to a favourites menu and One-Click operator guidance all important information is always just a few keystrokes away. Software wizards also help you to set up, ensuring correct settings. The USB port allows connection of the system to a PC or notebook. Together with the Spy software, requirements such as remote control or data transmission are easily achieved in a cost-effective manner. Network integration is easy with the internet port.

further functions:

E-grade Professional installed as standard, TAC (True Adaptive Control) - self optimising internal and cascade control, selectable temperature control mode (Internal/Process), programmer with 10 programs (max. 100 steps), ramp function (linear and non-linear), 5 point calibration, scalable graphic display, favourites menu, display resolution 0,01 K, integrated technical glossary, 2nd set point, user menus (Administrator level), calendar start, wallpaper selection.

4-year warranty - registration required.

Technical data according to DIN 12876

Temperature stability at 70°C0,01 Ktemperature set point / display5,7° colour TouchscreenOrder-No.: 1003.0038.01Resolution of display0,01 KInternal temperature sensorPt100External sensorPt100Interface digitalEthernet, USB (Host u. Device), RS232digital inputECS ONEdigital outputPOKO ONEAlarm messageoptic, acoustic, relaySafety classificationIII / F LHeating power at 240V3 kWHeating power at 220V3 kWHeating power at 200V2,5 kWCooling power at 300°C2,3 kWCooling power at 00°C2,3 kWCooling power at 00°C2,3 kWCooling power at 00°C3,4 kWHeating power at 200°C3,4 kWCooling power at 00°C3,5 kWCooling power at 100°C0,6 kWCirculation pump:max. deliverymax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin, viscosity50 mm²/smin. filling capacity expansion tank4,5 1Overall dimensions WxDxH **42 kgPower supply requirement20-240V 1-/2- 50/60Hzmax. current14,5 APuse equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. mbilent temperature40 °C	Operating temperature range	65 300 °C		
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Heating power at 240V 3 kW Heating power at 230V 3 kW Heating power at 220V 3 kW Heating power at 208V 2,7 kW Heating power at 200V 2,5 kW Cooling power at 300°C 3,2 kW Cooling power at 200°C 2,3 kW Cooling power at 100°C 0,6 kW Circulation pump: 45 l/min max. delivery pressure 0,9 bar Pump connection M24x1,5 male max. permissible kin. viscosity 50 mm²/s min. filling capacity expansion tank 4,5 l Overall dimensions WxDxH ** 425x250x631 mm Net weight 42 kg Power supply requirement 200°-240V 1-/2~ 50/60Hz max. current 14,5 A Fuse 16 A Pressure equipment category Art. 4.3 PED Degree of Protection IP20 min. ambient temperature 5 °C	Alarm message	optic, acoustic, relay		
Heating power at 230V3 kWHeating power at 220V3 kWHeating power at 208V2,7 kWHeating power at 200V2,5 kWCooling power at 300°C3,2 kWCooling power at 200°C2,3 kWCooling power at 100°C0,6 kWCirculation pump:45 l/minmax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin. viscosity50 mm²/smin. filling capacity3,5 lFilling capacity expansion tank4,5 lOverall dimensions WxDxH **425x250x631 mmNet weight42 kgPower supply requirement200-240V 1-/2- 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Safety classification	III / FL		
Heating power at 220V3 kWHeating power at 208V2,7 kWHeating power at 200V2,5 kWCooling power at 300°C3,2 kWCooling power at 200°C2,3 kWCooling power at 100°C0,6 kWCirculation pump:45 l/minmax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x15 malemax. permissible kin. viscosity50 mm²/smin. filling capacity expansion tank4,5 lOverall dimensions WxDxH **425x250x631 mmNet weight42 kgPower supply requirement200-240V 1-/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Heating power at 240V	3 kW		
Heating power at 208V2,7 kWHeating power at 200V2,5 kWCooling power at 300°C3,2 kWCooling power at 200°C2,3 kWCooling power at 100°C0,6 kWCirculation pump:45 l/minmax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin. viscosity50 mm²/smin. filling capacity3,5 lFilling capacity expansion tank4,5 lOverall dimensions WxDxH **42 kgPower supply requirement200-240V 1-/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Heating power at 230V	3 kW		
Heating power at 200V2,5 kWCooling power at 300°C3,2 kWCooling power at 200°C2,3 kWCooling power at 100°C0,6 kWCirculation pump:45 l/minmax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin. viscosity50 mm²/smin. filling capacity expansion tank4,5 lOverall dimensions WxDxH **425x250x631 mmNet weight200 240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Heating power at 220V	3 kW		
Cooling power at 300°C3,2 kWCooling power at 200°C2,3 kWCooling power at 100°C0,6 kWCirculation pump:45 l/minmax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin. viscosity50 mm²/smin. filling capacity expansion tank4,5 lOverall dimensions WxDxH **42 kgPower supply requirement200-240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Heating power at 208V	2,7 kW		
Cooling power at 200°C2,3 kWCooling power at 100°C0,6 kWCirculation pump:45 l/minmax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin. viscosity50 mm²/smin. filling capacity3,5 lFilling capacity expansion tank4,5 lOverall dimensions WxDxH **425x250x631 mmNet weight200-240V 1~/2~ 50/60HzPower supply requirement44,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Heating power at 200V	2,5 kW		
Cooling power at 100°C0,6 kWCirculation pump:45 l/minmax. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin. viscosity50 mm²/smin. filling capacity3,5 lFilling capacity expansion tank4,5 lOverall dimensions WxDxH **425x250x631 mmNet weight200-240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Cooling power at 300°C	3,2 kW		
Circulation pump:max. delivery45 l/minmax. delivery pressure0,9 barPump connectionM24x1,5 malemax. permissible kin. viscosity50 mm²/smin. filling capacity3,5 lFilling capacity expansion tank4,5 lOverall dimensions WxDxH **425x250x631 mmNet weight200-240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Cooling power at 200°C	2,3 kW		
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Filling capacity expansion tank4,5 IOverall dimensions WxDxH **425x250x631 mmNet weight42 kgPower supply requirement200-240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	max. permissible kin. viscosity	50 mm²/s		
Overall dimensions WxDxH **425x250x631 mmNet weight42 kgPower supply requirement200-240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	min. filling capacity	3,5		
Net weight42 kgPower supply requirement200-240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Filling capacity expansion tank	4,5		
Power supply requirement200-240V 1~/2~ 50/60Hzmax. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Overall dimensions WxDxH **	425x250x631 mm		
max. current14,5 AFuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Net weight	42 kg		
Fuse16 APressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Power supply requirement	200-240V 1~/2~ 50/60Hz		
Pressure equipment categoryArt. 4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	max. current	14,5 A		
Degree of ProtectionIP20min. ambient temperature5 °C	Fuse	16 A		
min. ambient temperature 5 °C	Pressure equipment category	Art. 4.3 PED		
	Degree of Protection	IP20		
max. ambient temperature 40 °C	min. ambient temperature	5 °C		
	max. ambient temperature	40 °C		

from Serial-No.:

Included Accessories:

mini-USB Kabel #54949

Optional accessories:

Com.G@te, Software, temperature control / - connection hoses, thermofluids, further accessories, etc.: see catalog.

Note: Pump connections: Bore shape Y (60°) according to DIN 3863, pipework/flexible tempering hoses: Ball socket according to DIN 3863, sleeve nut according to DIN 3870.

Output data valid for: Room temperature 20°C

In accordance with EN60034-1 the following voltage and frequency tolerances are valid: Voltage + / - 10%, as long as the frequency tolerance does not run in the opposite direction. Example: -10% voltage and + 3% frequency -> not allowed ! -10% voltage and -3% frequency -> allowed.

Information to Electromagnetic compatibility: Classification (disturbance) to EN55011: Class A, Group 1

Standard delivery conditions - Power cable configuration:

1. Single / two-phase devices (100V to 240V) --> with power cable and country-specific plug (please specify when ordering)

2. Three-phase devices with current consumption less than 63A --> with cable, without plug

3. Three-phase devices with current consumption greater than 63A --> without cable, without plug

** Please respect space requirements. See operating conditions at www.huber-online.com

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Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.