TC100E-F

Immersion Cooler with air-cooled refrigerating unit. Electronic temperature control and digital display. Stainless steel housing with handle (front) and rollers (back), flexible condensing probe of stainless steel and flexible cooling connection line in special single-tube construction, protective hose with smooth surface. The refrigeration unit works continuously. The temperature control actuates a solenoid valve in the cooling circuit. The temperature sensor is connected to the device with cable and plug.

MPC-Controller:
Modern and easy to use microprocessor controller with a large temperature display.
Limited to essential functions only:
* Large temperature display
* LED indicator for cooling
* Simple operation using only 3 keys

Technical data according to DIN 12876

Operating temperature range	-100...40 °C
Temperature stability at -10°C	0,5 K
temperature set point / display	digital
Temperature indication	digital
Sensor external connection	Pt100
Cooling power	.
at 0°C	0,16 kW
at -20°C	0,15 kW
at -30°C	0,14 kW
at -50°C	0,13 kW
at -60°C	0,12 kW
at -80°C	0,12 kW
at -90°C	0,07 kW
at -100°C	0,01 kW
Safety classification	I / NFL
Refrigeration machine	air-cooled, CFC- and HCFC-free
Refrigerant (ASHRAE, GHS)	R-452A (A1, H280)
Global Warming Potential (GWP)	2141
Refrigerant quantity	0,26 kg
Refrigerant 2nd stage (ASHRAE, GHS)	R-1150 (A3, H220)
Global Warming Potential (GWP)	4
Refrigerant quantity 2nd stage	0,056 kg
Nominal diameter probe	13 mm
Length of probe	900 mm
Length flexible connection	1150 mm
Overall dimensions WxDxH **	295x500x570 mm
Net weight	57 kg
sound pressure level +/- 4 dB(A)	55 dB(A)
Power supply requirement	208V 2~ 60Hz
Pressure equipment category	Art. 4.3 PED
min. ambient temperature	5 °C
max. ambient temperature	40 °C

Order-No.: 3005.0111.99

from Serial-No.: **1.0/19**

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

Included Accessories:
Pt100 sensor (Part.No. 6138)

Output data valid for: Room temperature 20°C. If the ambient temperature rises, the cooling capacity may drop.

in accordance with EN60034-1 the following voltage and frequency tolerances are valid:
Voltage + / - 5% with a simultaneous frequency tolerance of + / - 2%
Example -5% voltage and +2% frequency -> not allowed!
-5% voltage and - 2% frequency -> allowed

Technical data according to DIN 12876

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

This equipment is compliant to US-SNAP and all applicable EU laws. The US-SNAP end-use for this equipment is the industrial process refrigeration. Certification by a Notified Body upon request.

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