

HT60-M2-C.U. High Temperature Circulator with cooling unit

JULABO high-temperature circulators make temperature applications up to +400 °C possible. Models with the type suffix "C.U." have a powerful cooling unit for connection of tap water. This makes temperature applications from +20 °C and quick cooling phases possible. Typical applications are reactors, autoclaves, distillation columns and mini-plant, technical or production facilities.



Your advantages

- Working temperature range up to 400 °C
- Self-optimizing ICC temperature controller
- Strong pumping capacity 18 l/min - 1.2 bar max
- Automatic air-purge allows easy filling
- Automated heat-up feature adjusts to external systems
- Bright MULTI-DISPLAY (LED) with display resolution 0.01 °C
- Backlit interactive 4-line LCD display
- Stand-by input for external emergency switch-off
- Integrated programmer stores up to 6 profiles (60 sections each)
- Electronic level indication
- ATC function for simple correction of temperature variations
- Tap water cooling for temperatures from 40 to 400 °C and rapid cooling
- Cooling capacity up to 15 kW (with tap water 20°C)
- Controlled cooling water supply for temperature applications from +40 °C
- High cooling capacity up to 15 kW (at +20 °C cooling water and +300 °C oil temperature)
- Rapid cooling
- Rapid temperature control i. e. of exothermic reactions

Technical data

Available voltage versions		Other	
Order No.	9 800 065	Classification	Classification III (FL)
Available voltage versions:		IP Code	IP 21
9 800 065.07	400V/3PNPE/50Hz (Plug 16A CEE)		
Electronics		Dimensions and volumes	
Digital interface	RS232	Weight kg	37
External pt100 sensor connection	integrated	Dimensions cm (W x L x H)	43 x 23 x 58
Integrated programmer	6x60 steps	Filling volume l	2
Temperature control	ICC	Pump connections	M16x1 male
Temperature display	LED		
Temperature setting	Keypad		
Temperature values			
Working temperature range °C	40 ... +400		
Temperature stability °C	±0.01 ... ±0.1		
Ambient temperature °C	5 ... 40		
Temperature display resolution °C	0.01		

Power and capacities

400V/3PNPE/50Hz (Plug 16A CEE)

400V/3PNPE/50Hz	
Heating capacity kW	7
Cooling capacity	
°C	
kW	
Viscosity max. cST	30
Pump capacity flow rate l/min	14 ... 18
Pump capacity flow pressure bar	0.8 ... 1.2

Benefits



JULABO. Quality.
Highest standards of quality for a long product life.



Green technology.
Development consistently applied environmentally friendly materials and technologies.



Satisfied customers.
11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



100% Checked.
100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



Quick start.
Individual JULABO consultation and comprehensive manuals at your disposal.



Services 24/7.
Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.



Control from the external application
External Pt100 sensor connection for precise measurement and control directly in the external application