

## HT60-M3-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.	9 800 066	Classification	Classification III (FL)
Available voltage versions:		IP Code	IP 21
9 800 066.16	208V/3PPE/60Hz (Without Plug)		
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

208V/3PPE/60Hz (Without Plug)

208V/3PPE/60Hz	
Heating capacity kW	6
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](http://www.julabo.com).



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