

**The 'TopTech' Series**  
for working temperatures to +200 °C

- External temperature control application to closed systems
- Simultaneous operation in the circulator bath
- Electronically adjustable pump capacity 'Smart Pump'
- Built-in cooling coil
- Optional use of the MVS controller and solenoid valve (see pages 33 & 34) requires only low tap water consumption
- Warning and safety installations such as early detection system in case of fluid losses or if the setpoint temperature is exceeded
- RS232 interface

There are 4 'MC' model combinations with differing filling volumes, bath openings and bath depths.

**Additional benefits of the 'ME' circulators:**

- External measurement and control with ext. Pt100 sensor
- VFD COMFORT-DISPLAY
- Temperature and time-dependent processes with integrated programmer
- Automatic control of exothermic reactions using tap water cooling (see pages 33 & 34 for details)

**Accessories** (see pages 32 & 33)

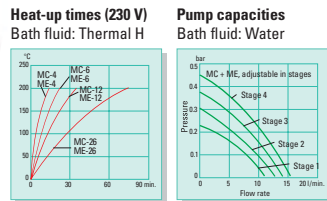
- External Pt100 sensor
- Bath lid with special cooling coil
- MVS controller and solenoid valve

**Applications**

for circulators on pages 16 to 19

- External temperature control applications for
  - Refractometers
  - Polarimeters
  - Photometers
  - Rotary viscometers

**With early warning system at low liquid level**



**The 'HighTech' Series**  
for working temperatures to +300 °C

- External temperature control application to closed or open systems
- Highest precision and display resolution
- VFD COMFORT-DISPLAY for SIMULTANEOUS indication of 3 temperature values
- Powerful pressure and suction pump with electronically adjustable pump capacity 'Smart Pump'
- Adjustment of pump capacity for varying viscosity levels of bath fluids
- Built-in cooling coil
- Programmer (1 x 10 program steps)
- Automatic control of exothermic reactions using tap water
- Professional PC connection – bus capability

**Additional features of the top-of-the-line 'HL' circulators:**

- Backlit LCD DIALOG-DISPLAY offers interactive operation in easy-to-read text
- Integrated programmer (6 x 60 steps)
- RS232 / RS485 interface
- Switchable between °C / °F

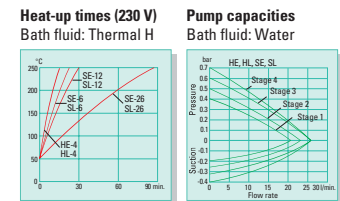
**Accessories** (see pages 32 & 33)

- Electronic module
- External Pt100 sensor
- Bath lid with special cooling coil
- Solenoid valve

**Applications**

- External temperature application processes, particularly e.g. a distillation apparatus or a miniplant installation

**MORE SPACE:**  
Pump connections on the rear



JULABO Order No.	JULABO Model	Working temp. range °C <sup>1)</sup>	Temp. stab. °C	Heat. cap. kW <sup>2)</sup>	Pump capacity Flow rate/Pressure l/min. bar	Cooling coil	Bath opening/ bath depth W x L / D cm	Filling volume liters	Dimensions W x L x H cm	Weight kg
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**Technical features**  
(see fold-out page)



9 150 504	MC-4	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	13 x 15 / 15	4.5	21 x 42 x 38	9.6
9 150 506	MC-6	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	13 x 15 / 20	6	21 x 43 x 42	12.5
9 150 512	MC-12	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	22 x 15 / 20	12	30 x 43 x 45	13.0
9 150 526	MC-26	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	22 x 30 / 20	26	36 x 61 x 45	26.0

**Technical features:** The red framed icons signify the differences to the 'MC' model



9 160 504	ME-4	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	13 x 15 / 15	4.5	21 x 42 x 38	9.6
9 160 506	ME-6	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	13 x 15 / 20	6	21 x 43 x 42	12.5
9 160 512	ME-12	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	22 x 15 / 20	12	30 x 43 x 45	13.0
9 160 526	ME-26	20 ... 200	±0.01	2 / 1	11-16	0.23-0.45	Integrated	22 x 30 / 20	26	36 x 61 x 45	26.0

<sup>1)</sup> For temperature applications at or near ambient: counter-cooling with tap water via built-in cooling coil. Included with each unit: 2 each barbed fittings for tubing 8 and 10 mm inner dia. (pump connections M10x1 female)

<sup>2)</sup> At voltage 230V/50-60Hz / 115V/60Hz

JULABO Order No.	JULABO Model	Working temp. range °C <sup>1)</sup>	Temp. stab. °C	Heat. cap. kW <sup>2)</sup>	Pump capacity Flow rate Pressure Suction l/min. bar bar	Bath opening/ Bath depth W x L / D cm	Filling volume liters	Dimensions W x L x H cm	Weight kg
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**Technical features:** The red framed icons signify the differences to the 'ME' model (page 16)



9 210 504	HE-4	20 ... 250	±0.01	2 / 1	22-26	0.4-0.7	0.2-0.4	13 x 15 / 15	4.5	21 x 42 x 40	11
9 250 506	SE-6	20 ... 300	±0.01	3 / -	22-26	0.4-0.7	0.2-0.4	13 x 15 / 20	6	21 x 43 x 44	13.5
9 250 512	SE-12	20 ... 300	±0.01	3 / -	22-26	0.4-0.7	0.2-0.4	22 x 15 / 20	12	30 x 43 x 47	14
9 250 526	SE-26	20 ... 300	±0.01	3 / -	22-26	0.4-0.7	0.2-0.4	22 x 30 / 20	26	36 x 61 x 47	27

**Technical features:** The red framed icons signify the differences to the 'HE'/'SE' models



9 310 504	HL-4	20 ... 250	±0.01	2 / 1	22-26	0.4-0.7	0.2-0.4	13 x 15 / 15	4.5	21 x 42 x 40	11
9 350 506	SL-6	20 ... 300	±0.01	3 / -	22-26	0.4-0.7	0.2-0.4	13 x 15 / 20	6	21 x 43 x 44	13.5
9 350 512	SL-12	20 ... 300	±0.01	3 / -	22-26	0.4-0.7	0.2-0.4	22 x 15 / 20	12	30 x 43 x 47	14
9 350 526	SL-26	20 ... 300	±0.01	3 / -	22-26	0.4-0.7	0.2-0.4	22 x 30 / 20	26	36 x 61 x 47	27

<sup>1)</sup> For temperature applications at or near ambient: counter-cooling with tap water via built-in cooling coil. Included with each unit: 2 each barbed fittings for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)

<sup>2)</sup> At voltage 230V/50-60Hz / 115V/60Hz