

JULABO Heating Circulators



MA 4



ME-26
with integrated immersion-height adjustable platform

Heating Circulators

for external and internal temperature applications up to 200 °C with stainless steel bath tanks and pump connections

Heating circulators are primarily designed for external temperature control of closed systems. Simultaneous operation in the circulator bath is also possible. JULABO offers models with various bath tank sizes and features.

TopTech Series

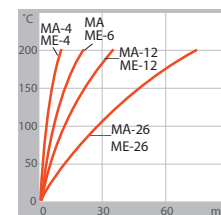
- For external and internal temperature applications simultaneously
- Electronically adjustable pressure pump
- Early warning system for low liquid level and high / low temperature
- RS232 interface
- Integrated cooling coil

ME circulators additional features

- Connection for external Pt100 sensor
- Integrated programmer (1 x 10 steps) with real time clock

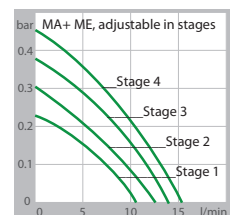
Heat-up times

Bath fluid: Thermal H



Pump capacity

Bath fluid: water



| JULABO Order No. | JULABO Model | Working temperature range °C ¹⁾ | Temp. stability °C | Heat. cap. kW | Pump capacity Flow rate l/min | Press. bar | Cooling coil | Bath opening/ bath depth W x L / D cm | Filling volume liters | Bath opening/ bath depth W x L / D cm |
|------------------|--------------|--|--------------------|---------------|-------------------------------|------------|--------------|---------------------------------------|-----------------------|---------------------------------------|
| 9 152 504 | MA-4 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 13 x 15 / 15 | 4.5 | 21 x 42 x 38 |
| 9 152 506 | MA-6 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 13 x 15 / 20 | 6 | 21 x 43 x 42 |
| 9 152 512 | MA-12 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 22 x 15 / 20 | 12 | 30 x 43 x 45 |
| 9 152 526 | MA-26 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 22 x 30 / 20 | 26 | 36 x 61 x 45 |
| 9 162 504 | ME-4 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 13 x 15 / 15 | 4.5 | 21 x 42 x 38 |
| 9 162 506 | ME-6 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 13 x 15 / 20 | 6 | 21 x 43 x 42 |
| 9 162 512 | ME-12 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 22 x 15 / 20 | 12 | 30 x 43 x 45 |
| 9 162 526 | ME-26 | 20 ... 200 | ±0.01 | 2 | 11-16 | 0.23-0.45 | Integrated | 22 x 30 / 20 | 26 | 36 x 61 x 45 |

¹⁾ For temperature applications near or below ambient temperature: use a cooling coil or JULABO immersion cooler
Included with each unit: 2 each barbed fittings for tubing 8 and 10 mm inner dia. (pump connections with M10x1 female)



SL-6



HE-4

Applications

External temperature applications in combination with

- Jacketed reactor vessels
- Autoclaves
- Distillation apparatus
- Mini plant applications
- Photometers
- Refractometers
- Temperature applications to small objects

Heating Circulators

for external and internal temperature applications up to 300 °C with stainless steel bath tanks and pump connections

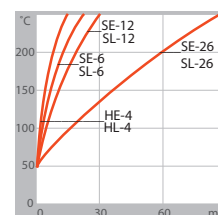
HighTech heating circulators provide superior technology for highest demands. The units feature a powerful pressure and suction pump, electronically adjustable. The intelligent ICC Cascade temperature control automatically adjusts to the application conditions and achieves maximum control accuracy; especially useful with difficult, external applications.

HighTech heating circulators

- External temperature control in closed and open systems
- ICC cascade control for highest precision
- VFD Comfort-Display with simultaneous display of 3 temperatures
- Integrated programmer with real time clock
- Powerful pressure and suction pump, electronically adjustable
- Automatic adjustment of pump capacity to fluid viscosity
- Integrated cooling coil

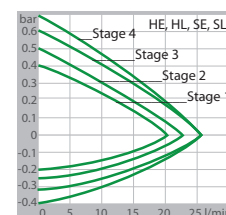
Heat-up times

Bath fluid: Thermal H



Pump capacity

Bath fluid: water



| JULABO Order No. | JULABO Model | Working temperature range °C ¹⁾ | Temp. stab. °C | Heat. cap. kW | Pump capacity / Flow rate l/min | Press. bar | Suction bar | Bath opening/ bath depth W x L / D cm | Filling volume liters | Bath opening/ bath depth W x L / D cm |
|------------------|--------------|--|----------------|---------------|---------------------------------|------------|-------------|---------------------------------------|-----------------------|---------------------------------------|
| 9 212 504 | HE-4 | 20 ... 250 | ±0.01 | 2 | 22-26 | 0.4-0.7 | 0.2-0.4 | 13 x 15 / 15 | 4.5 | 21 x 42 x 40 |
| 9 252 506 | 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 |
| 9 252 512 | 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 |
| 9 252 526 | 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 |
| 9 312 504 | HL-4 | 20 ... 250 | ±0.01 | 2 | 22-26 | 0.4-0.7 | 0.2-0.4 | 13 x 15 / 15 | 4.5 | 21 x 42 x 40 |
| 9 352 506 | 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 |
| 9 352 512 | 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 |
| 9 352 526 | 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 |

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Included with each unit: 2 each barbed fittings for tubing 8 and 12 mm inner dia. (pump connections with M16 x1 male)