



F32-EH



F38-EH

Applications

- Routine laboratory applications such as immersing samples for temperature studies in the circulator bath
- External temperature control applications:
 - Measuring cells
 - Refractometers
 - Polarimeters
 - Photometers
 - Viscometers
 - Fermenters
 - Electrophoresis chambers
 - Chromatography columns
 - Rotary evaporators
 - Rheometer

Economy - EH Series

for working temperatures from -35 °C to +150 °C

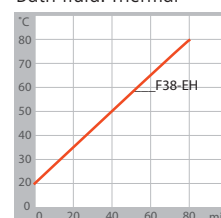
Refrigerated/heating circulator EH combinations feature an extended working temperature range and allow the use of flammable bath fluids.

Models with EH circulator, additional benefits

- Extended working temperature range to +150 °C
- Applications with flammable bath fluids
- Classification III according to DIN 12876-1
- Refrigeration cut-off safety
- ATC 1-point calibration
- Electronic timer

Heat-up time

Bath fluid: Thermal



Pump capacity

Bath fluid: water



JULABO Order No.	JULABO Model	Working temperature range °C	Temp. stability °C	Heating cap. kW	Cooling capacity kW (Bath fluid: Ethanol)			Pump capacity Flow rate/Pressure l/min. bar		Bath opening/ Bath depth W x L / D cm	Filling volume liters	Dimensions W x L x H cm
					+20	0	-20 °C					
9 118 612	F12-EH	-20 ... +150	±0.03	2	0.16	0.1	0.02	15	0.35	13 x 15 / 13	4.5	20 x 36 x 56
9 118 625	F25-EH	-28 ... +150	±0.03	2	0.26	0.2	0.06	15	0.35	12 x 14 / 14	4.5	23 x 42 x 61
9 118 632	F32-EH	-35 ... +150	±0.03	2	0.45	0.39	0.15	15	0.35	18 x 12 / 15	8	31 x 42 x 64
9 118 633	F33-EH	-30 ... +150	±0.03	2	0.5	0.32	0.12	15	0.35	23 x 14 / 20	16	36 x 46 x 69
9 118 634	F34-EH	-30 ... +150	±0.03	2	0.45	0.32	0.14	15	0.35	24 x 30 / 15	20	38 x 58 x 62
9 118 638	F38-EH	-35 ... +80	±0.05	2	0.92	0.66	0.32	15	0.35	35 x 41 / 27	45	46 x 70 x 89

Included with each unit: 2 each barbed fittings for tubing 8 and 10 mm inner dia. (pump connections M10x1 female)

JULABO Heating Immersion Circulators



Heating Immersion Circulators

with attachment clamp for any bath tank up to 50 liters

Heating immersion circulators have been a staple at JULABO since the company was established in the late 1960s. These circulators control the temperature of baths up to 50 liters. All circulators include a bath attachment clamp allowing for quick and easy mounting to a bath tank.

Immersion circulators

- Working temperature ranges up to +200 °C
- Bath attachment clamp for a wall thickness up to 26 mm
- Immersion depth 16.5 cm, reducible to 14.5 cm
- Wetted parts made of stainless steel or high grade plastic
- Pump set accessory for external control applications
- Cooling coil accessory for applications below ambient temperature
- ME model features connection for external Pt100 temperature sensor and integrated programmer

Bath attachment clamp
for any bath tank (included)

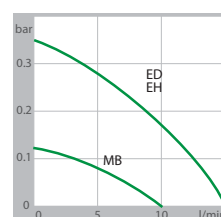


Pump set for external applications (accessory)



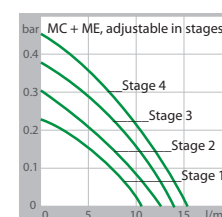
Pump capacity

Bath fluid: water



Pump capacity

Bath fluid: water



JULABO Order No.	JULABO Model	Working temperature range °C ¹⁾	Temp. stability °C	Heating capacity kW	Pump capacity Flow rate l/min	Pressure bar	Cooling coil	Usable immersion depth cm	Dimensions W x L x H cm
9 116 000	ED	+20 ... +100	±0.03	2	15	0.35	Option	8-14.5	13 x 15 x 33
9 118 000	EH	+20 ... +150	±0.03	2	15	0.35	Option	8-14.5	13 x 15 x 33
9 142 000	MB	+20 ... +100	±0.02	2	10	0.12	Option	8-14.5	13 x 15 x 33
9 152 000	MC	+20 ... +200	±0.01	2	11-16	0.23-0.45	Option	8-14.5	13 x 15 x 33
9 162 000	ME	+20 ... +200	±0.01	2	11-16	0.23-0.45	Option	8-14.5	13 x 15 x 33

¹⁾ For temperature applications near or below ambient temperature: use a cooling coil or JULABO immersion cooler.



Applications

- Temperature applications for samples
- Preparation of samples for serology and clinical chemistry
- Analytics
- Material testing
- External temperature control in combination with measuring instruments, measuring cells, photometers, refractometers, polarimeters, etc.

Test tubes racks not included in delivery (accessory).

Heating Circulators with Open Bath

for internal and external temperature applications up to +150 °C with stainless steel bath tanks and pump connections

The models on this page are equipped with bath tanks made of high quality stainless steel. A variety of accessories is available including test tube racks, immersion-height adjustable platforms, cooling coils, lift-up bath covers and flat stainless steel covers.

Heating circulators with open bath

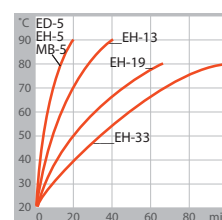
- Bath tanks made of high quality stainless steel
- Working temperature range to +150 °C
- Models with a filling volume of 5 to 39 liters
- Models ED-5, EH-5 and MB-5 include bath cover and cooling coil
- Large bath openings for samples of any kind
- Models with 27, 33 or 39 liter bath tanks include drain
- EH models with electronic timer

Bath cover
available as accessory



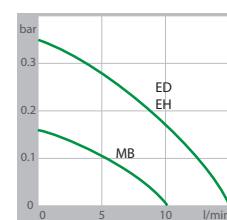
Heat-up times

Bath fluid: water



Pump capacity

Bath fluid: water



JULABO Order No.	JULABO Model	Working temp. range °C ¹⁾	Temp. stab. °C	Heat. cap. kW	Pump capacity Flow rate l/min	Pressure bar	Cooling coil	Bath opening/ bath depth W x L / D cm	Bath cover	Filling vol. liters	Dimensions W x L x H cm
9 116 405	ED-5	+20 ... +100	±0.03	2	15	0.35	Integrated	15 x 15 / 15	Integrated	4.5	17 x 33 x 36
9 118 405	EH-5	+20 ... +150	±0.03	2	15	0.35	Integrated	15 x 15 / 15	Integrated	4.5	17 x 33 x 36
9 118 413	EH-13	+20 ... +150	±0.03	2	15	0.35	Option	18 x 30 / 15	Option	13	39 x 33 x 37
9 118 419	EH-19	+20 ... +150	±0.03	2	15	0.35	Option	36 x 30 / 15	Option	19	57 x 33 x 37
9 118 427	EH-27	+20 ... +150	±0.03	2	15	0.35	Option	36 x 30 / 20	Option	27	57 x 37 x 42
9 118 433	EH-33	+20 ... +150	±0.03	2	15	0.35	Option	67 x 30 / 15	Option	33	91 x 33 x 38
9 118 439	EH-39	+20 ... +150	±0.03	2	15	0.35	Option	36 x 30 / 30	Option	39	54 x 34 x 52
9 142 405	MB-5	+20 ... +100	±0.02	2	10	0.12	Integrated	15 x 15 / 15	Integrated	4.5	17 x 33 x 36

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 M10x1 female)