

Julabo Refrigerated/Heating Circulators



Economy - ED Series

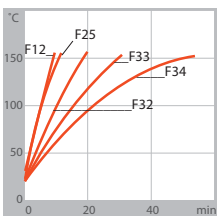
for working temperatures from -30 °C to +100 °C

Our high-quality refrigerated/heating circulators are designed for the use of non-flammable bath fluids and are economically priced.

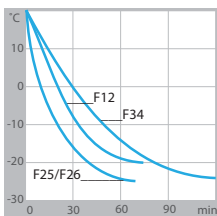
Models with ED circulators

- PID1 temperature control, stability ± 0.03 °C
- Adjustable high temperature cut-off, low liquid level protection
- Temperature control of external systems
- Bath opening for internal applications
- Low noise level
- No side vents
- Front drain
- Compact design

Heat-up times
Bath fluid: Thermal



Cool-down times
Bath fluid: Ethanol



JULABO Order No.	JULABO Model	Working temp. range °C	Temp. stab. °C	Heat. cap. kW	Cooling capacity kW (Bath fluid: Ethanol)			Pump capacity Flow rate/Pressure		Bath opening/ Bath depth W x L / D cm	Fill. vol. liters	Dimensions W x L x H cm
					+20	0	-20 °C	l/min.	bar			
9 116 612	F12-ED	-20 ... +100	± 0.03	2	0.16	0.1	0.02	15	0.35	13 x 15 / 13	4.5	20 x 36 x 56
9 116 625	F25-ED	-28 ... +100	± 0.03	2	0.26	0.2	0.06	15	0.35	12 x 14 / 14	4.5	23 x 42 x 61
9 116 626	F26-ED	-28 ... +100	± 0.03	2	0.26	0.2	0.06	15	0.35	12 x 14 / 14	4.5	42 x 42 x 42
9 116 634	F34-ED	-30 ... +100	± 0.03	2	0.45	0.32	0.14	15	0.35	24 x 30 / 15	20	38 x 58 x 62

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



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

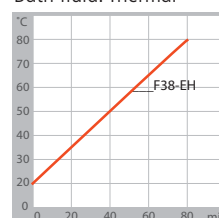
Refrigerated/heating circulator EH combinations feature an extended working temperature range and allow the use of flammable bath fluids.

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

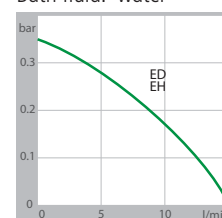
Heat-up time

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
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)