

Working temperatures from ...

The NEW 'CF' series offers YOU powerful performance with small overall dimensions to increase bench space for technical systems, or to free up valuable fume hood space.

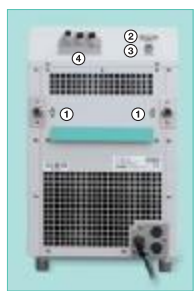


**The 'Economy' Series**  
- for routine applications -

- Working temperatures up to +150 °C with pressure pump
- Ergonomic design and convenient operation
- Keypad with LED display, splash-proof and easy to clean
- RS232 interface

**The 'HighTech' Series**

- the perfect solution for high demands -
- Working temperatures up to +200 °C with pressure and suction pump and electronically adjustable pump capacity
- VFD COMFORT-DISPLAY, LCD DIALOG-DISPLAY
- Self-optimizing ICC temperature control
- RS232/RS485 interface
- Connection for external Pt100 sensor
- Integrated programmer and many other features (see icons)
- Electronic module with analog connections (accessory)



**Rear view**

- ① Pump connections
  - ② RS232 interface
- CF31 and CF41 additionally provide:
- ③ Connection for external Pt100 sensor
  - ④ Option: Electronic module (Order no. 8 900 100)



... -30 °C/-40 °C to +150 °C/+200 °C

Ambient temperatures up to +40 °C

**Cryo-Compact Circulators**

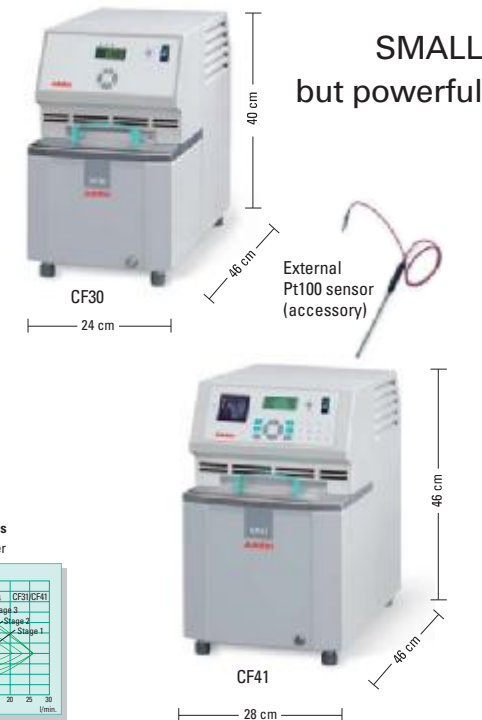
include the latest technology from the JULABO circulator program.

**Benefits:**

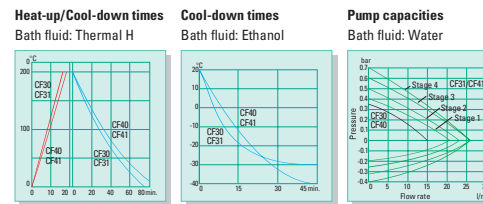
- MICROPROCESSOR electronics with high temperature stability, warning and safety functions
- Integration of the latest components for highly reliable refrigeration and pump performance
- Wetted parts made of high quality stainless steel or plastic

**Applications**

- External temperature application processes particularly e.g. a distillation apparatus or a miniplant installation
- Temperature application to small objects, sensors, etc. in the circulator bath



**Accessories** (see pages 31 to 33)



JULABO Order No.	JULABO Model	Working temp. range °C	Temp. stab. °C	Heat. cap. kW <sup>1)</sup>	Cooling capacity kW (Bath fluid: Ethanol)	Pump capacity Flow rate Press. /min. bar	Bath opening/ bath depth WxL/D cm	Fil. vol. liters	Dimensions W x L x H cm	Weight kg
9 400 330	CF30	-30 ... 150	±0.03	2 / 1	0.32 0.25 0.15 --	15 0.35 --	16 x 3 / 14	3.5	24 x 46 x 40	32
9 400 340	CF40	-40 ... 150	±0.03	2 / 1	0.47 0.4 0.28 0.12	15 0.35 --	19 x 3 / 19	5.5	28 x 46 x 46	41

**The 'Economy' Series**

**Technical features** (see fold-out page)

9 400 330	CF30	-30 ... 150	±0.03	2 / 1	0.32 0.25 0.15 --	15 0.35 --	16 x 3 / 14	3.5	24 x 46 x 40	32
9 400 340	CF40	-40 ... 150	±0.03	2 / 1	0.47 0.4 0.28 0.12	15 0.35 --	19 x 3 / 19	5.5	28 x 46 x 46	41

**The 'HighTech' Series**

**ICC** **TCF** **ATC<sup>3</sup>** **SMART PUMP** **Pt100** **RS232 RS485** **6x60** **S3**

9 400 331	CF31	-30 ... 200	±0.02	2 / 1	0.32 0.25 0.15 --	22-26 0.4-0.7 0.2-0.4	16 x 3 / 14	3.5	24 x 46 x 40	33
9 400 341	CF41	-40 ... 200	±0.02	2 / 1	0.47 0.4 0.28 0.12	22-26 0.4-0.7 0.2-0.4	19 x 3 / 19	5.5	28 x 46 x 46	42

Included with each unit: 2 each barbed fittings for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)

<sup>1)</sup> At voltage 230V/50Hz or 230V/60Hz / 115V/60Hz