

for working temperatures from +50 °C to +300 °C

These units are designed specifically for applications in calibration laboratories and conform to the requirements specified by DIN ISO 9001:2000.

Calibration baths include a constant level temperature chamber. The circulating pump transports the bath fluid through the overflowing temperature chamber to the circulator bath. The following values are achieved while a constant liquid level is maintained:

- Highest temperature stability to ±0.005 °C

Temperature values (reproducible to 0.01°C) are set via the splash-proof keypad and are clearly visible on the bright VFD COMFORT-DISPLAY.

Up to 3 frequently required setpoint temperatures can be stored and recalled any time.

Simultaneous indication of 3 temperature values!

Using the precision Pt100 reference sensor it is possible to have the reference temperature displayed. Based on this, additional calibration certificates according to ISO and DKD can be issued.

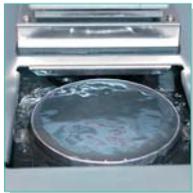
Display resolution 0.01 °C across the temperature range!

Additional benefits

- Ease of operation
- Low noise level
- Compact design



- Removable circulator with temperature chamber



- Temperature chamber with uniform overflow

Temperature uniformity
Bath fluid: JULABO Thermal H

At °C	SE-8K	SE-14K
+100	0.01 K	0.005 K
+150	0.02 K	0.008 K
+200	0.03 K	0.008 K
+250	0.03 K	0.008 K

Applications

Calibration of temperature sensors, measuring devices and thermometers, that needs to be carried out in regular intervals according to national and international standards.



SE-8K

SE-14K

JULABO Order No.	JULABO Model	Working temp. range °C	Temperature stability °C	Heating capacity kW ¹⁾	Pump capacity Flow rate /min.	Pressure bar	Bath opening/ Usable bath depth cm	Filling volume liters	Dimensions W x L x H cm	Weight kg
9 250 508	SE-8K	+50 ... +300	±0.005	3	22-26	0.4-0.7	dia. 12 / 17	8	22 x 46 x 47	16
9 250 514	SE-14K	+50 ... +300	±0.005	3	22-26	0.4-0.7	dia. 12 / 31	14	22 x 46 x 61	20

Calibration Baths

Technical features (see fold-out page)



9 250 508	SE-8K	+50 ... +300	±0.005	3	22-26	0.4-0.7	dia. 12 / 17	8	22 x 46 x 47	16
9 250 514	SE-14K	+50 ... +300	±0.005	3	22-26	0.4-0.7	dia. 12 / 31	14	22 x 46 x 61	20

¹⁾ At voltage 230V/50-60Hz

for working temperatures from -30 °C to +200 °C with refrigeration unit

Reference temperature can be measured and permanently displayed via an adapted highly accurate digital sensor (patented).

VFD COMFORT-DISPLAY



Using the reference sensor, the large display can be set via keypad to display the reference temperature!

- 1 Reference temperature
- 2 Setpoint temperature
- 3 Actual temperature

Outstanding and new!
Only offered by JULABO.

Save the extra costs of purchasing a highly accurate digital thermometer! (details see page 40)

Accessory included with all models:

- 8 970 246** Bath cover with openings and Viton® sleeves:
2 x 3 mm, 2 x 4 mm and 2 x 6 mm inner dia.

Accessories

- 8 981 002** Precision Pt100 reference sensor 180 x 4 mm dia.
9 660 003 FL300 recirculating cooler for models SE-8K and SE-14K

Viton® sleeves

Order No.	for sensor
8 930 602	2 mm dia.
8 930 603	3 mm dia.
8 930 604	4 mm dia.
8 930 605	5 mm dia.
8 930 606	6 mm dia.
8 930 608	8 mm dia.



FK30-SE

FK31-SE

JULABO Order No.	JULABO Model	Working temp. range °C	Temperature stability °C	Heating capacity kW ¹⁾	Cooling cap. kW (Bath fluid: Ethanol) 20 0 -20°C	Pump capacity Flow rate / Pressure /min. bar	Bath opening/ Usable bath depth cm	Filling vol. liters	Dimensions W x L x H cm	Weight kg
9 250 627	FK30-SE	-30 ... +200	±0.005	2 / 1	0.46 0.34 0.15	22-26 0.4-0.7	∅ 12 / 17	14	32 x 45 x 79	33
9 250 628	FK31-SE	-30 ... +200	±0.005	2 / 1	0.46 0.34 0.15	22-26 0.4-0.7	∅ 12 / 31	24	32 x 45 x 91	39

Calibration Baths with integrated refrigeration unit

Technical features (see fold-out page)



9 250 627	FK30-SE	-30 ... +200	±0.005	2 / 1	0.46 0.34 0.15	22-26 0.4-0.7	∅ 12 / 17	14	32 x 45 x 79	33
9 250 628	FK31-SE	-30 ... +200	±0.005	2 / 1	0.46 0.34 0.15	22-26 0.4-0.7	∅ 12 / 31	24	32 x 45 x 91	39

¹⁾ At voltage 230V/50Hz / 115V/60Hz