



## TopTech Series

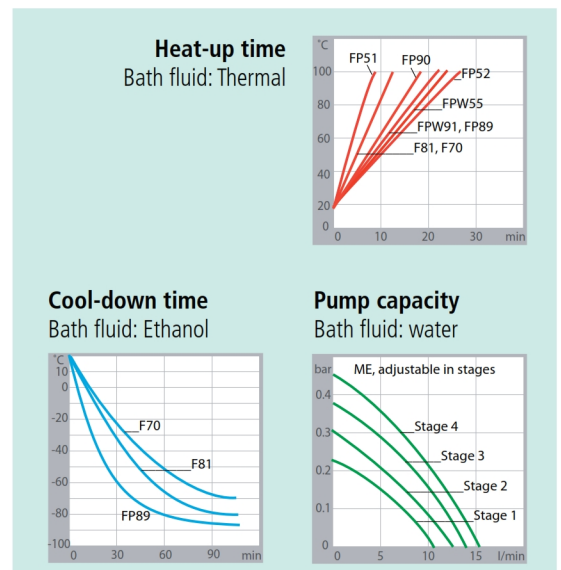
for working temperatures from -90 °C to +100 °C with bath openings for internal/external applications

The TopTech Ultra-Low circulators are equipped with a dual-stage compressor refrigeration system for continuous operation of internal and external applications.

### Models with ME circulators

- Heated bath cover plate to prevent condensation and ice build-up
- Pressure pump up to 0.45 bar, electronically adjustable
- ACC Active Cooling Control across the entire temperature range
- Compact design

**Note:** FP models feature an energy-saving proportional cooling control



JULABO Order No.	JULABO Model	Working temperature range °C	Temp. stab. °C	Heat. cap. kW	Cooling capacity kW (Bath fluid: Ethanol)						Pump cap./Flow rate		Fill. vol. liters	Dimensions W x L x H cm
					+20	0	-20	-40	-60	-80 °C	l/min.	Pressure bar		
9 162 670	F70-ME	-70 ... +100	±0.02	1.3	0.34	0.22	0.17	0.13	0.07	--	11-16	0.23-0.45	4.5	42 x 54 x 71
9 162 681	F81-ME	-81 ... +100	±0.02	1.3	0.45	0.38	0.36	0.32	0.27	0.07	11-16	0.23-0.45	6.5	50 x 58 x 88
9 162 689	FP89-ME	-90 ... +100	±0.02	1.3	1.0	0.92	0.88	0.75	0.58	0.20	11-16	0.23-0.45	8	55 x 60 x 90

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

