



ED-33

ED-13

## Applications

- Temperature applications for samples
- Preparation of samples for serology and clinical chemistry
- Analytics
- Material testing

Test tubes racks not included (accessory).

## Open Heating Bath Circulators

for internal temperature applications  
with stainless steel bath tanks

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.

### Open heating bath circulators

- Bath tanks made of high quality stainless steel
- Models with a filling volume from 13 to 33 liters
- Large bath openings for samples of any kind
- All models include handles and are designed for use with test tube racks

### Test tube insert capacity

Model	Number of test tubes with	
	13 mm dia	17 mm dia
ED-13, ED-17, MB-13	90	60
ED-19, ED-27, MB-19	270	180
ED-33	540	360

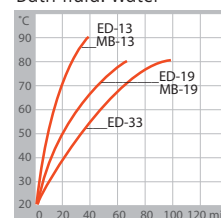
### Bath cover

available accessory



### Heat-up times

Bath fluid: water



JULABO Order No.	JULABO Model	Working temperature range °C <sup>1)</sup>	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 volume liters	Dimensions W x L x H cm
9 116 413	ED-13	+20 ... +100	±0.03	2	15	0.35	Option	18 x 30 / 15	Option	13	39 x 33 x 37
9 116 417	ED-17	+20 ... +100	±0.03	2	15	0.35	Option	18 x 30 / 20	Option	17	39 x 33 x 42
9 116 419	ED-19	+20 ... +100	±0.03	2	15	0.35	Option	36 x 30 / 15	Option	19	57 x 33 x 37
9 116 427	ED-27	+20 ... +100	±0.03	2	15	0.35	Option	36 x 30 / 20	Option	27	57 x 37 x 42
9 116 433	ED-33	+20 ... +100	±0.03	2	15	0.35	Option	67 x 30 / 15	Option	33	91 x 33 x 38
9 142 413	MB-13	+20 ... +100	±0.02	2	10	0.12	Option	18 x 30 / 15	Option	13	39 x 33 x 37
9 142 419	MB-19	+20 ... +100	±0.02	2	10	0.12	Option	36 x 30 / 15	Option	19	57 x 33 x 37

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