

Continued from previous page

Temp. range (°C)	Capacity (l)	Bath WxDxH (mm)	WxDxH (mm)	Pk	Cat. No.
Stainless steel					
< 150	13	229×165×203	321×289×244	1	462-0263
< 150	28	419×216×203	530×327×244	1	462-0264

Baths and circulators, Plexiglas® or Makrolon® tanks

Julabo



ED-5 A/B



ED-13A



ED-19A

Open bath circulators are mainly intended for operation in the Plexiglas® or Makrolon® baths. Temperature application to an external, closed system is possible via the pump nozzles on selected models (ED-5A, MB-5A, MB-7A, ED-5M, MB-5M). Typical applications: Circulation to measuring cells, cuvette holders, temperature testing of food/luxury articles and material testing.

ED models

- LED temperature display for actual and set point values
- Keypad for set point input
- Adjustable high temperature or low liquid level protection

MB models

Multi-Display (LED) for actual value, up to 3 set points, high/low temperature warning functions, high temperature protection.

- Early warning system signals a lowering of bath fluid level
- PID temperature control with drift compensation
- RS232 interface

Max. flow rate / max. pressure:

ED: 15 l/min, 350 mbar

MB: 10 l/min, 120 mbar

Ordering information: All units with an RS232 interface can use the free EasyTemp software for control via a PC; the software can be downloaded free of charge from the Julabo website. Please contact VWR for details.

Type	Temp. range (°C)	Temp. stability (°C)	Heating capacity (kW)	Capacity (l)	Bath WxDxH (mm)	WxDxH (mm)	Pk	Cat. No.
ED-5A*	20...60	±0,03	2	5	120×240×150	140×400×350	1	461-0415
ED-13A**	20...60	±0,03	2	13	180×300×150	410×330×360	1	461-0422
ED-5A/B	20...60	±0,03	2	5	120×240×150	140×400×350	1	461-0420
ED-7A/B	20...60	±0,03	2	7	120×340×150	140×500×350	1	461-0421
ED-19A**	20...60	±0,03	2	19	360×300×150	550×330×360	1	461-0423
ED-5M*	20...100	±0,03	2	5	120×240×150	140×400×350	1	461-0424
ED-5M/B	20...100	±0,03	2	5	120×240×150	140×400×350	1	461-0425
MB-5A*	20...60	±0,02	2	5	120×240×150	140×400×350	1	461-0148
MB-7A*	20...60	±0,02	2	7	120×340×150	140×500×350	1	461-0174
MB-13A**	20...60	±0,02	2	13	180×300×150	410×330×360	1	461-0175
MB-19A**	20...60	±0,02	2	19	360×300×150	550×330×360	1	461-0176
MB-5M*	20...100	±0,02	2	5	120×240×150	140×400×350	1	461-0192

Description	For	Pk	Cat. No.
Water bath protective media, Aqua-Stabil			
Aqua-Stabil solution, 100 ml	open heating baths, heating circulators, water baths and shaking water baths	6	461-3100
Aqua-Stabil solution, 100 ml	open heating baths, heating circulators, water baths and shaking water baths	12	461-0048
Plexiglas® test tube racks, up to 60 °C			
Test tube rack for baths 5A, 5A/B, 5M, 5M/B, 7A, 7A/B	20 test tubes, 100×17 mm Ø	1	461-3920
Test tube rack for baths 5A, 5A/B, 5M, 5M/B, 7A, 7A/B	36 test tubes, 40×10/11 mm Ø	1	461-3923
Test tube rack for baths 5A, 5A/B, 5M, 5M/B, 7A, 7A/B	30 test tubes, 50×12/13 mm Ø	1	461-3921
Test tube rack for baths 5A, 5A/B, 5M, 5M/B, 7A, 7A/B	20 test tubes, 160×17 mm Ø	1	461-0012
Test tube rack for baths 5A, 5A/B, 5M, 5M/B, 7A, 7A/B	6×50 ml conical tubes	1	461-0013
Accessories			
Hollow PP balls, 20 mm Ø	open heating baths, heating circulators, water baths and shaking water baths	1.000	461-3619
RS232 interface cable, 2.5 m	units with RS232	1	461-0033

Continued on next page