

Heating Immersion Circulators, JULABO



JULABO heating immersion circulators with stainless steel bath tanks are used for internal and external temperature tasks. They now have increased capacities for temperature application to larger external systems as well as open systems, making them ideal for external temperature jobs. Simultaneous temperature applications of smaller objects can also be carried out in the internal bath of the circulator. Models are available in a selection of sizes and with a variety of features. Accessories for these units include Pt100 sensors, thermal bath fluids, and hoses and adapters for connecting to external systems. An integrated cooling coil is provided for temperature applications at below or near ambient.

CORIO heating circulators

Laboratory bath circulators for routine and standard tasks

CORIO™ heating immersion circulators offer professional technology for high demands. These devices allow for temperature control either in the internal bath or in a connected external application.

- Models for internal and external applications
- Bright, white, easy to read display
- Very quiet
- Easy change between internal and external circulation
- USB connection
- High-quality stainless steel tanks with bath cover and drain tap
- Integrated cooling coil for counter-cooling



Type		CORIO CD-BC4	CORIO CD-BC6	CORIO CD-BC12	CORIO CD-BC26
Bath tank		stainless steel	stainless steel	stainless steel	stainless steel
W x D x H	mm	230x410x420	240x440x470	330x490x470	390x620x480
Weight	kg	8.8	10	12.2	19
Working temperature	°C	20 – 150	20 – 150	20 – 150	20 – 150
Temperature accur. ±	°C	± 0.03	± 0.03	± 0.03	± 0.03
Heating capacity	kW	2	2	2	2
Pump capacity					
Flow rate	l/min	15	15	15	15
Pressure	bar	0.35	0.35	0.35	0.35
Bath opening	mm	130x150	130x150	220x150	220x300
Bath depth	mm	150	200	200	200
Filling volume	l	3 – 4.5	4.5 – 6	8.5 – 12	19 – 26
Order No.		10 35 92504	10 35 92506	10 35 92512	10 35 92526

The TopTech series

with insulated stainless steel bath tanks, flexible pump capacity and an increased operating temperature range of up to +200°C

Type		CORIO CP-BC4	CORIO CP-BC6	CORIO CP-BC12	CORIO CP-BC26
W x D x H	cm	23 x 41 x 42	24 x 44 x 47	33 x 49 x 47	39 x 62 x 48
Weight	kg	8.5	10	12	19
Working temperature	°C	20 – 200	20 – 200	20 – 200	20 – 200
Temperature accur. ±	°C	±0.02	±0.02	±0.02	±0.02
Temperature display		LED	LED	LED	LED
Heating capacity	W	2	2	2	2
Flow rate	l/min	8 – 27	8 – 27	8 – 27	8 – 27
Pressure	mbar	0.1 – 0.7	0.1 – 0.7	0.1 – 0.7	0.1 – 0.7
Bath opening	cm	13 x 15	13 x 15	22 x 15	26 x 35
Bath depth	cm	15	20	20	20
Filling volume	l	3 – 4.5	4.5 – 6	8.5 – 12	19 – 26
Order No.		10 35 93504	10 35 93506	10 35 93512	10 35 93526



DYNEO DD heating immersion circulators

New temperature control technology for demanding applications

DYNEO DD heating circulators for internal and external applications are equipped with closed bath tanks. The tanks are well insulated and include a coil for counter-cooling. An integrated drain tap makes emptying the tank safe and clean. The multilingual 3.5-inch color display and unique rotary knob provide for straightforward and intuitive operation.

Type	^③ DYNEO DD-BC4	DYNEO DD-BC6	^④ DYNEO DD-BC12	DYNEO DD-BC26
Bath tank	Stainless steel	Stainless steel	Stainless steel	Stainless steel
W x D x H	mm 23 x 41 x 42	24 x 44 x 47	33 x 49 x 47	39 x 62 x 48
Weight	kg 8.5	10	12	19
Working temperature	°C 20 – 200	20 – 200	20 – 200	20 – 200
Temperature accur. ±	°C ±0.01	±0.01	±0.01	±0.01
Temperature display	LED	LED	LED	LED
Heating capacity	kW 2	2	2	2
Flow rate	l/min 8 – 27	8 – 27	8 – 27	8 – 27
Pressure	bar 0.1 – 0.7	0.1 – 0.7	0.1 – 0.7	0.1 – 0.7
Bath opening	cm 13 x 15	13 x 15	22 x 15	26 x 35
Bath depth	cm 15	20	20	20
Filling volume	l 3 – 4.5	4.5 – 6	8.5 – 12	19 – 26
Order No.	10 35 91504	10 35 91506	10 35 91512	10 35 91526



The HighTech series

HE and SE models

- Bright VFD COMFORT DISPLAY for simultaneous indication of internal/external setpoint and actual values
- ICC (Intelligent Cascade Control) self-optimizing temperature control
- TCF Temperature Control Features for range limiting, threshold value setting, co-speed factor and control dynamics
- Electronically adjustable pump capacity, incl. illuminated bar display
- Pt100 external sensor connection for measurement and control
- Integrated programmer for 10 program steps
- Optional electronic insert with analog connections for temperature recorder, setpoint encoder, etc.
- Powerful pressure and suction pump for up to 1.1 bar, electronically adjustable

Type	^⑤ HE-4	SE-6	SE-12
Width x Depth x Height	cm 21x42x40	21x43x44	30x43x47
Weight	kg 11.0	13.5	14.0
Working temperature	°C 20 – 250	20 – 300	20 – 300
Temperature accuracy ±	°C 0.01	0.01	0.01
Temperature display	VFD display	VFD display	VFD display
Heating capacity	W 2000	3000	3000
Interface	RS232	RS232	RS232
Pump capacity			
Flow rate	l/min 22 – 26	22 – 26	22 – 26
Pressure	mbar 400 – 700 max.	400 – 700 max.	400 – 700 max.
Suction	mbar 200 – 400 max.	200 – 400 max.	200 – 400 max.
Bath opening W x D	cm 13x15	13x15	22x15
Bath depth H	cm 15	20	20
Overtemperature cut-out	variable	variable	variable
Low level protection	yes	yes	yes
Class division (DIN12876-1)	S3	S3	S3
Order No.	46 35 92104	46 35 92506	46 35 92512



The HighTech series

HL and SL models (as HE/SE, plus the following)

- LCD DIALOG-DISPLAY, backlit for convenient interactive operation
- RS232 / RS485 interface for enhanced online communication and networking
- Stakei connector sockets for solenoid valve or HST booster heater with additional 4 kW heat output (optional)
- Integrated programmer for 6 x 60 program steps

Technical data:

Heating immersion circulator HL-4 same as HE-4

Heating immersion circulator SL-6 same as SE-6

Heating immersion circulator SL-12 same as SE-12

Article	Order No.
Heating immersion circulator HL-4	46 35 93104
⑥ Heating immersion circulator SL-6	46 35 93506
⑦ Heating immersion circulator SL-12	46 35 93512

