DYNEO DD-BC6 DYNEO DD Heating Circulator

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.

Optional analog and digital interface
DYNEO thermostats can optionally be equipped with analogue and digital interfaces. To request the options, order number must be extended with .d for the digital and .a for the analog interface (9XXX XXXX.A / 9XXX XXX.D)

Your advantages

- For internal and external applications
- USB connection
- Powerful and infinitely adjustable pressure pump
- Flow rate 27 l/min, pressure 0.7 bar
- Easy switching between internal and external circulation
- Large color TFT display, multilingual interface
- Central rotary knob (controller) simplifies operation
- Integrated programmer for 8 x 60 program steps
- Integrated external Pt100 connection
- RS232 interface or analog interfaces (optional)
- Bath cover included with delivery
- For internal and external applications
- High-quality thermal insulation of the bath tank
- Integrated programmer
- Integrated drain makes emptying liquid easy and safe.

Technical data

Available voltage versions	
Order No.	9 021 506
Available voltage versions:	
9 021 506.33	200-230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F)
9 021 506.33.chn	200-230V/50-60Hz (CN Plug)
9 021 506.04	200-230V/50-60Hz (UK Plug Type BS1363A)
9 021 506.05	200-230V/50-60Hz (CH Plug Type SEV 1011)
9 021 506.22	100-115V/50-60Hz (Nema N5-15 Plug)

Bath	
Bath tank	Stainless steel
Bath cover	integrated
Usable bath opening in. (W x L / D)	5.1 x 5.9 / 7.9

Other	
Classification	Classification III (FL)
Pump function	Pressure Pump
Pump type	Immersion Pump

Electronics	
External pt100 sensor connection	integrated
Integrated programmer	8x60 steps
Temperature control	PID2
Absolute temperature calibration	3 Point Calibration
Temperature displayTemperature display	3.5" TFT Display
Temperature settingTemperature setting	Shaft Encoder
Electronic Timer hr:min	99 ... 59

Dimensions and volumes	
Weight lbs	21.4

Temperature values	

Barbed fittings inner diameter	8/12 mm
Dimensions in. (W × L × H)	9.4 x 17.3 x 18.5
Filling volume l	4.5 ... 6
Pump connections	M16x1 male

Setting the resolution of the temperature display °C	0.01
Working temperature range °C	+20 ... +200
Temperature stability °C	±0.01
Ambient temperature °C	+5 ... +40

Performance values

200-230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F)

200V/50Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

200V/60Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/50Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/60Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

200-230V/50-60Hz (CN Plug)

200V/50Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

200V/60Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/50Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/60Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

200-230V/50-60Hz (UK Plug Type BS1363A)

200V/50Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

200V/60Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/50Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/60Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

200-230V/50-60Hz (CH Plug Type SEV 1011)

200V/50Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

200V/60Hz	
Heating capacity kW	1.5
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/50Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

230V/60Hz	
Heating capacity kW	2
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

100-115V/50-60Hz (Nema N5-15 Plug)

100V/50Hz	
Heating capacity kW	0.8
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

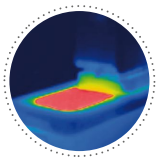
100V/60Hz	
Heating capacity kW	0.8
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

115V/50Hz	
Heating capacity kW	1
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

115V/60Hz	
Heating capacity kW	1
Viscosity max. cST	50
Pump capacity flow rate l/min	8 ... 27
Pump capacity flow pressure psi	1.5 ... 10.2

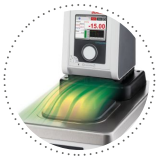
All Benefits

100% Checked.
100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



Solid.
Minimized energy loss through high-quality insulation.

Tidy.
The special drain tap for easy draining of bath fluids without tools.



Condensation protection.
Superb design solution. Integrated ventilation directs air over the bath lid and minimizes condensation.

JULABO. Quality.
Highest standards of quality for a long product life.

Green technology.
Development consistently applied environmentally friendly materials and technologies.

Satisfied customers.
11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.

Quick start.
Individual JULABO consultation and comprehensive manuals at your disposal.

Services 24/7.
Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.

Handle with ease.
Makes day-to-day work easy. Comfortably move your CORIO around by using the ergonomic handles (front and rear).

PID2

Highly precise
PID Temperature control with drift compensation and adjustable control parameters, temperature stability ±0.01...±0.02 °C

Wide range.
Refrigerated and heating circulator in various combinations, circulator in various sizes. Maximum flexibility through large selection of accessories.

Turn. Push. Go.
Easy operation of all parameters using the central controller.

Brilliance. In color.
Large color display with vivid luminance is easy to read, even from a large distance.

USB.
Remote control made easy using the integrated USB interface.

Information. Everything clear.
Information in plain text on a large color screen.

RS232.
Standard connection using the serial RS232 interface.

Multi-lingual.
Operation in multiple languages.

Analog I/O.
Analog interfaces for integration into process control systems (optional).

Process stability.
Early warning - visual and acoustic - of critical states increases process stability.

Programmer. Integrated.
The integrated internal programmer makes it possible to automatically run temperature time profiles.

Powerful. Adjustable.
Strong pressure pump, continuously adjustable.

ATC3

ATC3. Calibration.
'Absolute Temperature Calibration' for compensating a physically caused temperature difference, 3-point calibration.

Connection. Easy.
Inclined pump connections (M16×1) facilitate the connection of applications. Each unit includes 2 barbed fittings of 8/12 mm diameter each.

ACC

100 % Cooling capacity
'Active Cooling Control' for cooling available throughout the entire working temperature range, fast cool-down even at higher temperatures

ATC3

Highest measuring accuracy
'Absolute Temperature Calibration' for manual compensation of a temperature difference, 3-point calibration

Temperature. Under control.
External Pt100 sensor connection for precise measurement and control directly in the external application.

Fill level. Monitored.
Fill level indicator on the display for heat-transfer liquid.

Process. Under control.
Full control of the dynamic, access to all important control parameters for individual process optimization.

Stable. Mobile.