

Julabo
THE TEMPERATURE CONTROL COMPANY

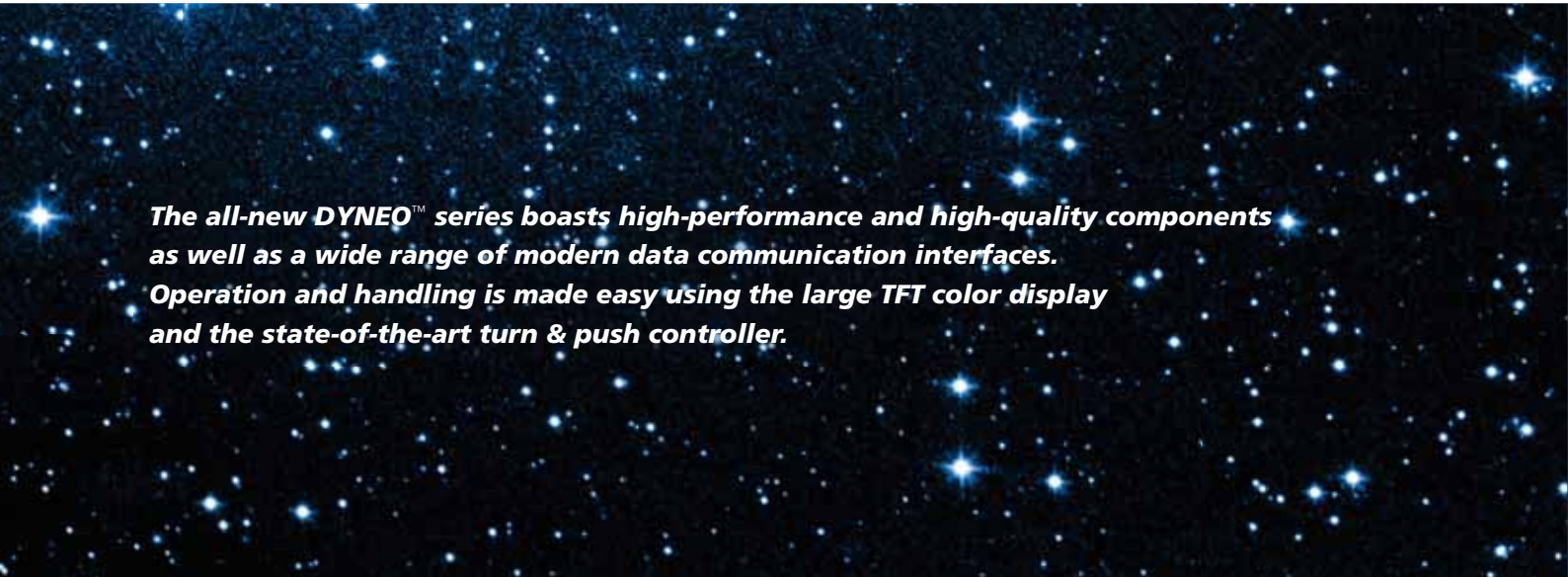
DYNEO™

English

DYNEO™



Dynamic. Intuitive.

A horizontal band of a starry night sky with numerous bright blue and white stars of varying sizes, set against a dark blue background, spans the width of the page.

The all-new DYNEO™ series boasts high-performance and high-quality components as well as a wide range of modern data communication interfaces. Operation and handling is made easy using the large TFT color display and the state-of-the-art turn & push controller.



DYNEO™

Intelligent. Powerful.

DYNEO™

DYNEO™ circulators are available in combination with heating baths as well as with heating and refrigerated baths.

DYNEO™ is intelligent.

Operate your DYNEO™ intuitively using the state-of-the-art turn & push controller. Its large TFT color display features countless programming possibilities and is very easy to read.

DYNEO™ is powerful.

The DYNEO™ DD circulator is equipped with a powerful pressure pump for perfect circulation in the bath as well as plenty of pressure available for external applications. The DYNEO™ DS circulator is equipped with a powerful pressure and suction pump – delivering high flow rates even at low pressure.





DYNEO™

Hot. Cold. Flexible.

DYNEO™

DYNEO™ is hot.

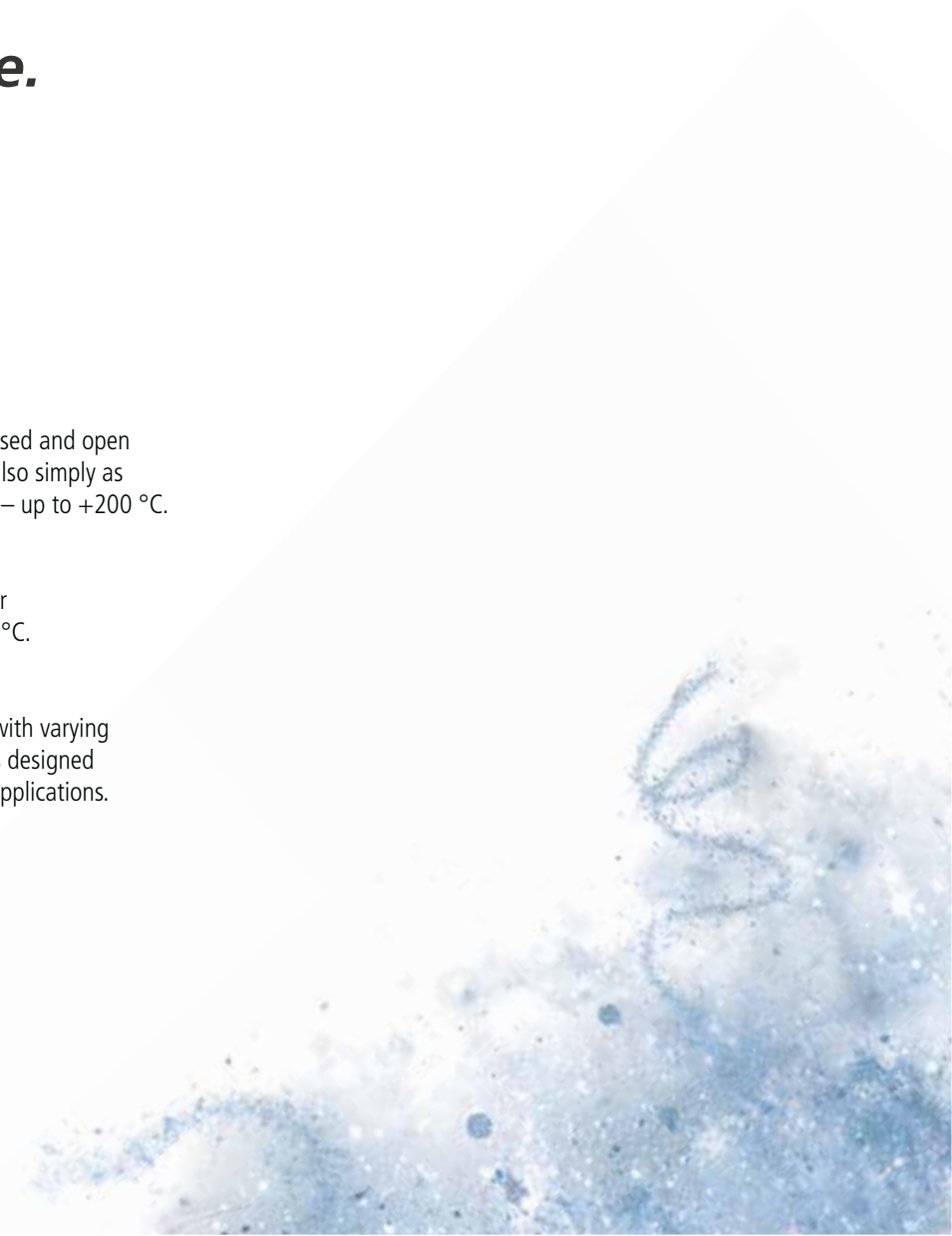
DYNEO™ heating circulators are available with closed and open stainless steel baths, with transparent baths, but also simply as immersion circulators to fit in any bath you desire – up to +200 °C.

DYNEO™ is hot & cold.

DYNEO™ refrigerated and heating circulators cover countless applications between -50 °C and +200 °C.

DYNEO™ is flexible.

The DYNEO™ series is available in many versions with varying cooling capacities and bath tank sizes. DYNEO™ is designed for internal bath applications as well as external applications.



The advantages at a glance:

DYNEO™ DD

- Internal and external applications
- Easy to switch between internal and external circulation
- Temperature range -50°C to +200°C
- Large color TFT display
- Easy to operate using the state-of-the-art turn & push controller
- Multi-lingual user interface
- Integrated programmer
- Heating capacity 2 kW
- USB interface
- Analog interface (accessory)
- Class III (FL) according to DIN 12876-1
- Continuously adjustable, powerful pressure pump, flow rate 22 l/min., flow pressure 0.6 bar

DYNEO™





DYNEO™ DS

- Internal and external applications
- Temperature range -50°C to +200°C
- Large color TFT display
- Easy to operate using the state-of-the-art turn & push controller
- Multi-lingual user interface
- Integrated programmer
- Heating capacity 2 kW
- USB interface
- Analog interface (accessory)
- Class III (FL) according to DIN 12876-1
- **TOP:** Continuously adjustable, powerful pressure and suction pump, flow pressure 0.45 bar (pressure side), 0.4 bar (suction side), flow rate 23.5 l/min.
- **TOP:** External Pt100 sensor connection

DYNEO™ DD Refrigerated Circulators

DYNEO™ DD refrigerated circulators for various applications

- Suitable for internal and external applications
- Optimized cooling coil design provides more space in the bath
- Ergonomic handles
- Bath lid and drain tap included
- Continuously adjustable, powerful pressure pump



Model	DYNEO™ DD-200F	DYNEO™ DD-201F	DYNEO™ DD-300F	DYNEO™ DD-600F	DYNEO™ DD-601F	DYNEO™ DD-900F	DYNEO™ DD-1000F	DYNEO™ DD-1001F
Working temperature range °C	-20 ... +200	-20 ... +200	-25 ... +200	-35 ... +200	-40 ... +200	-40 ... +200	-50 ... +200	-38 ... +100
Temperature stability °C	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
Heating capacity kW	2	2	2	2	2	2	2	2
Cooling capacity at 20 °C in kW	0.22	0.22	0.31	0.6	0.6	0.9	1	1
Pump flow rate l/min	22	22	22	22	22	22	22	22
Pump pressure bar	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
External Pt100 sensor connection	no	no	no	no	no	no	no	no
Bath opening/bath depth W x L / D cm	13 x 15 / 15	13 x 15 / 15	13 x 15 / 15	22 x 15 / 15	22 x 15 / 20	26 x 35 / 20	22 x 15 / 15	35 x 41 / 30
Filling volume liters	3 ... 4	3 ... 4	3 ... 4	5 ... 7.5	8 ... 10	21 ... 30	5 ... 7.5	42 ... 56

DYNEO™ DS Refrigerated Circulators

DYNEO™ DS refrigerated circulators with pressure/suction pump:

- Suitable for internal and external applications
- Optimized cooling coil design provides more space in the bath
- Ergonomic handles
- Bath lid and drain tap included
- Continuously adjustable, powerful pressure and suction pump
- External Pt100 sensor connection



Model	DYNEO™ DS-200F	DYNEO™ DS-201F	DYNEO™ DS-300F	DYNEO™ DS-600F	DYNEO™ DS-601F	DYNEO™ DS-900F	DYNEO™ DS-1000F	DYNEO™ DS-1001F
Working temperature range °C	-20 ... +200	-20 ... +200	-25 ... +200	-35 ... +200	-40 ... +200	-40 ... +200	-50 ... +200	-38 ... +100
Temperature stability °C	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
Heating capacity kW	2	2	2	2	2	2	2	2
Cooling capacity at 20 °C in kW	0.22	0.22	0.31	0.6	0.6	0.9	1	1
Pump flow rate l/min	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
Pump pressure bar	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)
External Pt100 sensor connection	yes	yes	yes	yes	yes	yes	yes	yes
Bath opening/bath depth W x L / D cm	13 x 15 / 15	13 x 15 / 15	13 x 15 / 15	22 x 15 / 15	22 x 15 / 20	26 x 35 / 20	22 x 15 / 15	35 x 41 / 30
Filling volume liters	3 ... 4	3 ... 4	3 ... 4	5 ... 7.5	8 ... 10	21 ... 30	5 ... 7.5	42 ... 56

DYNEO™ Immersion Circulators

DYNEO™ immersion circulators provide maximum flexibility and can be used in any bath tank up to 50 liters using the universal bath clamp included with delivery.



Stable and robust universal bath attachment clamp



Easy to install pump set (accessory)

Model	DYNEO™ DD	DYNEO™ DS
Working temperature range °C	+20 ... +200	+20 ... +200
Temperature stability °C	±0.01	±0.01
Heating capacity kW	2	2
Pump flow rate l/min	22	23.5
Pump pressure bar	0.6	0.45 (pressure side) 0.4 (suction side)
External Pt100 sensor connection	no	yes
Internal temperature control	yes	yes
External temperature control	Yes (with accessories)	Yes (with accessories)
Dimensions W x L x H cm	13 x 36 x 16	13 x 36 x 16

DYNEO™ DD Open Heating Bath Circulators

DYNEO™ open heating bath circulators are equipped with high-quality transparent or stainless steel baths.



*Ingenious drip off design
(BT and B tanks)*

Model with	transparent bath tank (BT)	stainless steel bath tank (B)
Working temperature range °C	+20 ... +100	+20 ... +150
Temperature stability °C	±0.01	±0.01
Heating capacity kW	2	2
Pump flow rate l/min	22	22
Pump pressure bar	0.6	0.6
Internal temperature control	yes	yes
External temperature control	yes	yes
Bath volume liters	Transparent bath tank from 5 to 27 liters Stainless steel bath tank from 5 to 39 liters	

DYNEO™ DD Heating Circulators

DYNEO™ heating circulators are available in different sizes from 4 to 26 liters.

- Ideal for internal and external applications
- Bath lid included
- Built-in drain tap for easy and safe drainage
- Built-in cooling coil for counter cooling
- Continuously adjustable, powerful pressure pump
- Integrated pump connectors M16x1

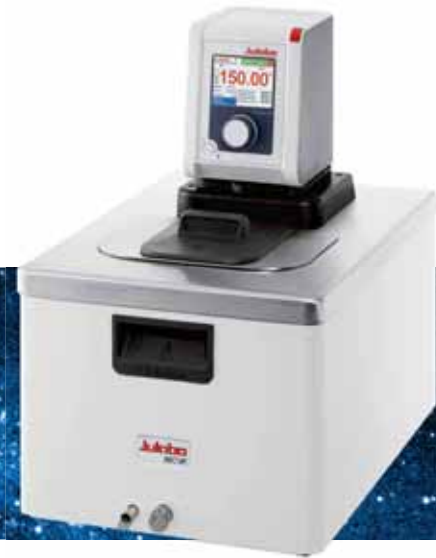


Model	DYNEO™ DD-BC4	DYNEO™ DD-BC6	DYNEO™ DD-BC12	DYNEO™ DD-BC26
Working temperature range °C	+20 ... +200	+20 ... +200	+20 ... +200	+20 ... +200
Temperature stability °C	±0.01	±0.01	±0.01	±0.01
Heating capacity kW	2	2	2	2
Pump flow rate l/min	22	22	22	22
Pump pressure bar	0.6	0.6	0.6	0.6
External Pt100 sensor connection	no	no	no	no
Bath opening/bath depth W x L / D cm	13 x 15 / 15	13 x 15 / 20	22 x 15 / 20	26 x 35 / 20
Filling volume liters	3 ... 4.5	4.5 ... 6	8.5 ... 12	19 ... 26

DYNEO™ DS Heating Circulators

DYNEO™ DS heating circulators are particularly suitable for external applications because of their pressure/suction pump.

- Ideally suitable for internal and external applications
- Bath lid included
- Built-in drain tap for easy and safe drainage
- Built-in cooling coil for counter cooling
- Continuously adjustable, powerful pressure and suction pump
- Integrated pump connectors M16x1
- External Pt100 sensor connection



Model	DYNEO™ DS-BC4	DYNEO™ DS-BC6	DYNEO™ DS-BC12	DYNEO™ DS-BC26
Working temperature range °C	+20 ...+200	+20 ...+200	+20 ...+200	+20 ...+200
Temperature stability °C	±0.01	±0.01	±0.01	±0.01
Heating capacity kW	2	2	2	2
Pump flow rate l/min	23.5	23.5	23.5	23.5
Pump pressure bar	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)	0.45 (pressure) 0.4 (suction)
External Pt100 sensor connection	yes	yes	yes	yes
Bath opening/bath depth W x L / D cm	13 x 15 / 15	13 x 15 / 20	22 x 15 / 20	26 x 35 / 20
Filling volume liters	3 ... 4.5	4.5 ... 6	8.5 ... 12	19 ... 26



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