

**Julabo**  
THE TEMPERATURE CONTROL COMPANY

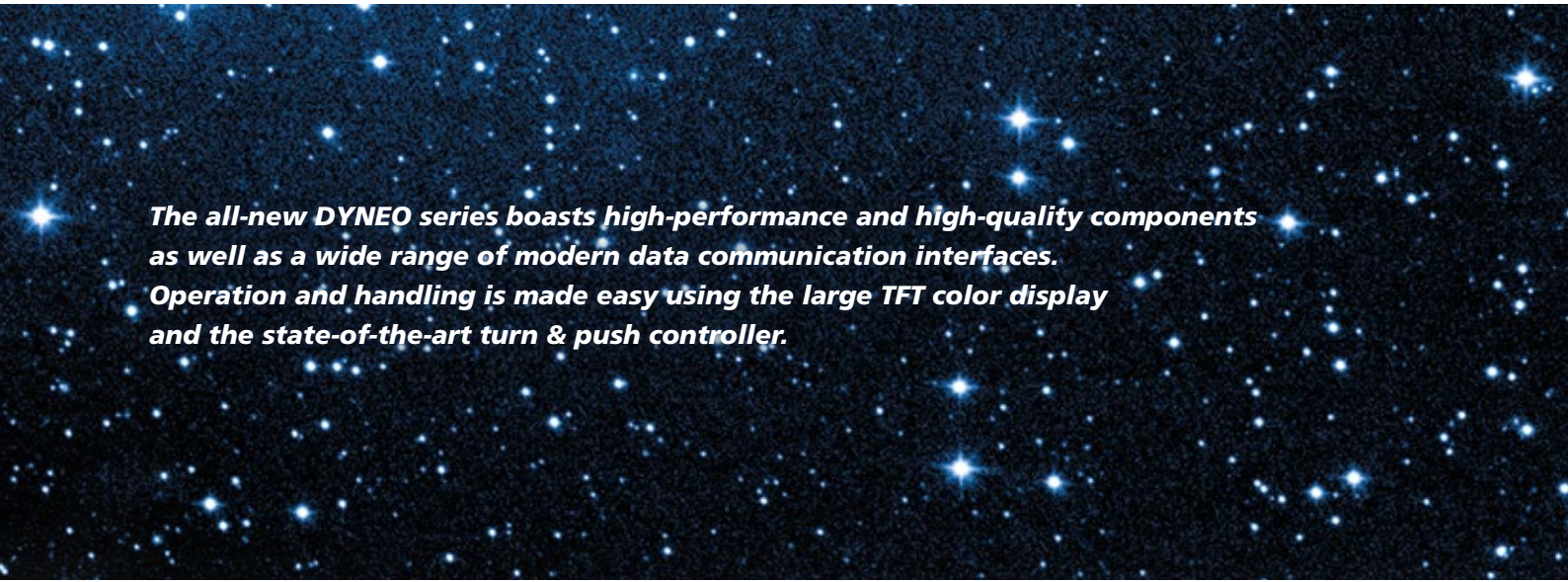
**DYNEO™**

English

DYNEO™



*Dynamic. Intuitive.*

A horizontal band of a starry night sky with numerous blue and white stars of varying sizes and brightness, set against a dark blue background. This band is positioned in the lower half of the page, behind the main text block.

*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
- External Pt100 sensor connection

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.
- 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
- External Pt100 sensor connection



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	-30 ... +200	-35 ... +200	-35 ... +200	-38... +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	yes	yes	yes	yes	yes	yes	yes	yes
Bath opening/bath depth W×L/D cm	13×15/15	13×15/15	13×15/15	22×15/15	22×15/20	26×35/20	18×13/15	35×41/30
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	-32 ... +200	-32 ... +200	-38 ... +200	-48 ... +200	-30 ... +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×L/D cm	13×15/15	13×15/15	13×15/15	22×15/15	22×15/20	26×35/20	18×13/15	35×41/30
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	yes	yes
Internal temperature control	yes	yes
External temperature control	Yes (with accessories)	Yes (with accessories)
Dimensions W × L × H cm	13 × 36 × 16	13 × 36 × 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
- External Pt100 sensor connection



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	yes	yes	yes	yes
Bath opening/bath depth W×L/D cm	13×15/15	13×15/20	22×15/20	26×35/20
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×L/D cm	13×15/15	13×15/20	22×15/20	26×35/20
Filling volume liters	3 ... 4.5	4.5 ... 6	8.5 ... 12	19 ... 26



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