

## **DYNEO DD-900F Refrigerated/Heating Circulator**

## New temperature control technology for demanding applications

DYNEO DD refrigerated circulators have a wide working temperature range. Refrigerated circulators are suitable for both internal and external applications. The multilingual 3.5-inch color display and unique rotary knob provide for straightforward and intuitive operation. Pump capacity is 22 l/min with pressure of 0.6 bar. The cooling machines operate precisely and reliably even at elevated ambient temperatures up to +40 °C.

## Your advantages

- Powerful cooling machines
- Suitable for internal and external applications
- · Optimized cooling coil design saves space in the bath tank
- · Powerful and infinitely adjustable pressure pump
- Flow rate 22 l/min, pressure 0.6 bar
- Easy switching between internal and external circulation
- · Large color TFT display, multilingual interface
- Central rotary knob (controller) simplifies operation
- Integrated programmer
- Integrated external Pt100 connection
- · USB port
- RS232 interface or analog interfaces (optional)
- · Bath cover included with delivery
- Integrated drain makes emptying liquid easy and safe.

## **Technical Data**

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Order No.	9021706
Order No. with RS232 Option	9021706.D
Order No. with analog Option	9021706.A
Model series	DYNEO
Category	Refrigerated - Heating Circulators
Working temperature range (°C)	-38 +200
Temperature control	PID
Temperature stability (°C)	±0.01
Setting / display resolution	0.01 °C
Temperature Display	3.5" TFT Display
Heating capacity (kW)	2
Cooling capacity (Medium Ethanol)	°C 20 10 0 -10 -20 -30 kW 0.9 0.85 0.8 0.52 0.31 0.11
Pump capacity flow rate (I/min)	8 23
Pump capacity flow pressure (bar)	0.1 0.6
Viscosity max. (cSt)	50
Bath opening / bath depth (W x L / D cm)	26 x 35 / 20





Pump connections M16x1  Barbed fittings diameter (inner dia. / mm) 8 / 12  Filling volume liters 21 30  Refrigerant stage 1 R452A  Filling volume refrigerant stage 1 (g) 220  Global Warming Potential for R452A 2140  Carbon dioxide equivalent stage 1 (t) 0.471  Refrigerant stage 2 R452A  Global Warming Potential for R452A 2140  Digital interface USB  Analog connection input / output Optional  Ambient temperature 540 °C  Dimensions W x L x H (cm) 39 x 62 x 75  Weight (kg) 51.7  Included with each unit 2 each barbed fitting for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)  Bath tank Stainless steel  Bath cover integrated  Cooling of compressor		
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Bath cover integrated	Included with each unit	
	Bath tank	Stainless steel
Cooling of compressor Air	Bath cover	integrated
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Available voltage versions 115V/60Hz 200-230V/50-60Hz	Available voltage versions	