

DYNEO DD-200F 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 I/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.



Order No.	9021701
Order No. with RS232 Option	9021701.D
Order No. with analog Option	9021701.A
Model series	DYNEO
Category	Refrigerated - Heating Circulators
Working temperature range (°C)	-20 + 200
Temperature control	PID
Temperature stability (°C)	±0.01
Setting / display resolution	0.01 °C
Temperature Display	3.5" TFT Display
Heating capacity (kW)	1
Cooling capacity (Medium Ethanol)	°C 200 20 10 0 -10 -20 kW 0.2 0.2 0.17 0.15 0.1 0.02
Pump capacity flow rate (I/min)	8 23
Pump capacity flow pressure (psi)	1.5 8.7
Viscosity max. (cSt)	50
Bath opening / bath depth (W x L / D inch)	5.1 x 5.9 / 5.9









Pump connections	M16x1
Barbed fittings diameter (inner dia. / mm)	8 / 12
Filling volume liters	3 4
Refrigerant stage 1	R134a
Filling volume refrigerant stage 1 (g)	70
Global Warming Potential for	1430
Carbon dioxide equivalent stage 1 (t)	0.1
Digital interface	USB
Analog connection input / output	Optional
Ambient temperature	540 °C
Dimensions W x L x H (inch)	9.1 x 15.4 / 25.6
Weight (LBS)	56.7
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	Air
Available voltage versions	230V/50-60Hz 100V/50-60Hz 115V/60Hz