

DYNEO DD-1000F 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

Order No.	9021707
Order No. with RS232 Option	9021707.D
Order No. with analog Option	9021707.A
Model series	DYNEO
Category	Refrigerated - Heating Circulators
Working temperature range (°C)	-50 +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 20 10 0 -10 -20 -30 -40 kW 1 1 0.9 0.73 0.5 0.3 0.13
Pump capacity flow rate (I/min)	8 23
Pump capacity flow pressure (psi)	1.5 8.7
Viscosity max. (cSt)	50







8.7 x 5.9 / 5.9
M16x1
8 / 12
5 7.5
R452A
175
2140
0.375
USB
Optional
540 °C
16.5 x 19.3 / 27.6
112.9
2 each barbed fitting for tubing 8 and 12 mm inner dia. (pump connections M16x1 male)
Stainless steel
integrated
Air
115V/60Hz 200-230V/50-60Hz