

DYNEO DD-1001F 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.



Made
in Germany

Technical Data

Order No.	9021708						
Order No. with RS232 Option	9021708.D						
Order No. with analog Option	9021708.A						
Model series	DYNEO						
Category	Refrigerated - Heating Circulators						
Working temperature range (°C)	-38 ... +100						
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
	kW	1	0.95	0.85	0.6	0.32	0.12
Pump capacity flow rate (l/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)	13.8 x 16.1 / 11.8
Pump connections	M16x1
Barbed fittings diameter (inner dia. / mm)	8 / 12
Filling volume liters	42 ... 56
Refrigerant stage 1	R452A
Filling volume refrigerant stage 1 (g)	170
Global Warming Potential for	2140
Carbon dioxide equivalent stage 1 (t)	0.364
Digital interface	USB
Analog connection input / output	Optional
Ambient temperature	5...40 °C
Dimensions W x L x H (inch)	17.7 x 25.2 / 37.4
Weight (LBS)	84.2
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	200-230V/50-60Hz