DYNEO DD-601F 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.

Made in Germany

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 for 8 x 60 program steps
- 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.	9021705
Order No. with RS232 Option	9021705.D
Order No. with analog Option	9021705.A
Model series	DYNEO
Category	Refrigerated - Heating Circulators
Working temperature range (°C)	-35 ... +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 -30 kW 0.6 0.6 0.54 0.5 0.33 0.19 0.07
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)	8.7 x 5.9 / 7.9

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Pump connections	M16x1
Barbed fittings diameter (inner dia. / mm)	8 / 12
Filling volume liters	8 ... 10
Refrigerant stage 1	R452A
Filling volume refrigerant stage 1 (g)	150
Global Warming Potential for	2140
Carbon dioxide equivalent stage 1 (t)	0.321
Digital interface	USB
Analog connection input / output	Optional
Ambient temperature	5...40 °C
Dimensions W x L x H (inch)	14.2 x 18.1 / 29.1
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	100V/50-60Hz 115V/60Hz 200-230V/50-60Hz

Technical changes without prior notification. Images may deviate from the original.

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