

## 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.



### 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.	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)	2																
Cooling capacity (Medium Ethanol)	<table border="1"> <tr> <td>°C</td> <td>200</td> <td>20</td> <td>10</td> <td>0</td> <td>-10</td> <td>-20</td> <td>-30</td> </tr> <tr> <td>kW</td> <td>0.6</td> <td>0.6</td> <td>0.54</td> <td>0.5</td> <td>0.33</td> <td>0.19</td> <td>0.07</td> </tr> </table>	°C	200	20	10	0	-10	-20	-30	kW	0.6	0.6	0.54	0.5	0.33	0.19	0.07
°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 (bar)	0.1 ... 0.6																
Viscosity max. (cSt)	50																
Bath opening / bath depth (W x L / D cm)	22 x 15 / 20																

Pump connections	M16x1
Barbed fittings diameter (inner dia. / mm)	8 / 12
Filling volume liters	5 ... 7.5
Refrigerant stage 1	R452A
Filling volume refrigerant stage 1 (g)	150
Global Warming Potential for R452A	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 (cm)	36 x 46 x 74
Weight (kg)	38.2
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