



CORIO™ CD-200F

Order No.	9 012 701	
Working temperature range °C	-20 ... +150	
Temperature stability °C	± 0.03	
Heating capacity kW	2	
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C
	0,22	0,17
	-10 °C	-20 °C
	0,13	0,06
Pump capacity	l/min	bar
Flow rate / Pressure	15	0,35
Bath opening / Bath depth cm	W × L / D 13 × 15 / 15	
Filling volume liters	3 ... 4	
Dimensions cm	W × L × H	
	23 × 39 × 65	

CORIO™ CD-201F

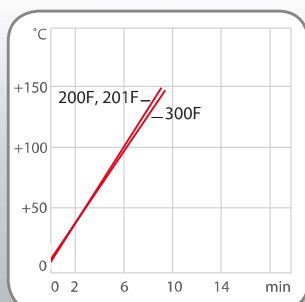
Order No.	9 012 702	
Working temperature range °C	-20 ... +150	
Temperature stability °C	± 0.03	
Heating capacity kW	2	
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C
	0,22	0,16
	-10 °C	-20 °C
	0,12	0,06
Pump capacity	l/min	bar
Flow rate / Pressure	15	0,35
Bath opening / Bath depth cm	W × L / D 13 × 15 / 15	
Filling volume liters	3 ... 4	
Dimensions cm	W × L × H	
	44 × 41 × 44	

CORIO™ CD-300F

Order No.	9 012 703	
Working temperature range °C	-25 ... +150	
Temperature stability °C	± 0.03	
Heating capacity kW	2	
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C
	0,31	0,28
	-10 °C	-20 °C
	0,2	0,11
Pump capacity	l/min	bar
Flow rate / Pressure	15	0,35
Bath opening / Bath depth cm	W × L / D 13 × 15 / 15	
Filling volume liters	3 ... 4	
Dimensions cm	W × L × H	
	24 × 42 × 66	

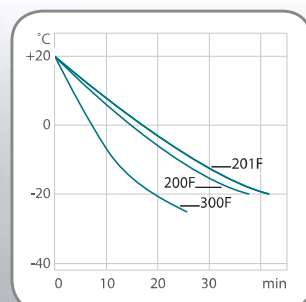
Heat-up time

Bath fluid: Thermal



Cool-down time

Bath fluid: Ethanol



Refrigerated Circulators

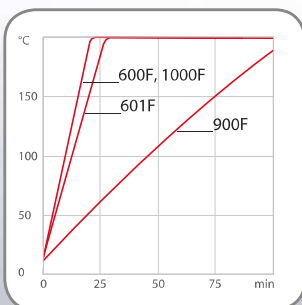


CORIO™ CD-600F CORIO™ CD-601F

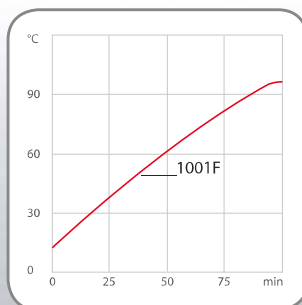
Order No.	9 012 704		
Working temperature range °C	-35 ... +150		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C	-10 °C
	0.6	0.53	0.35
	-20 °C	-30 °C	-40 °C
	0.22	0.1	-
Pump capacity	l/min	bar	
Flow rate / Pressure	15	0,35	
Bath opening / Bath depth cm	W × L / D 22 × 15 / 15		
Filling volume liters	5 ... 7.5		
Dimensions cm	W × L × H		
	33 × 47 × 69		

Order No.	9 012 705		
Working temperature range °C	-40 ... +150		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C	-10 °C
	0.6	0.5	0.35
	-20 °C	-30 °C	-40 °C
	0.2	0.07	0.01
Pump capacity	l/min	bar	
Flow rate / Pressure	15	0,35	
Bath opening / Bath depth cm	W × L / D 22 × 15 / 20		
Filling volume liters	8 ... 10		
Dimensions cm	W × L × H		
	36 × 46 × 74		

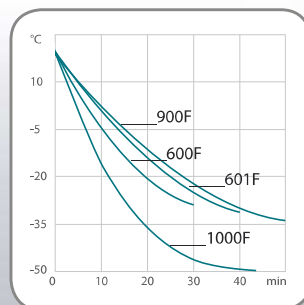
Heat-up time
Bath fluid: Thermal



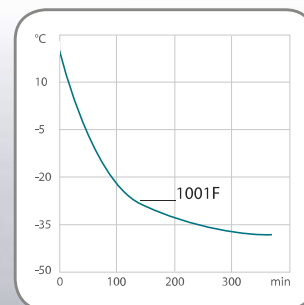
Heat-up time
Bath fluid: Thermal



Cool-down time
Bath fluid: Ethanol



Cool-down time
Bath fluid: Ethanol





CORIO™ CD-900F

Order No.	9 012 706		
Working temperature range °C	-38 ... +150		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C	-10 °C
	0.9	0.8	0.55
	-20 °C	-30 °C	-40 °C
	0.35	0.15	0.02
Pump capacity	l/min	bar	
Flow rate / Pressure	15	0,35	
Bath opening / Bath depth cm	W × L / D 26 × 35 / 20		
Filling volume liters	21 ... 30		
Dimensions cm	W × L × H 39 × 62 × 75		



CORIO™ CD-1000F

Order No.	9 012 707		
Working temperature range °C	-40 ... +150		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C	-10 °C
	1	0.9	0.73
	-20 °C	-30 °C	-40 °C
	0.5	0.32	0.15
Pump capacity	l/min	bar	
Flow rate / Pressure	15	0,35	
Bath opening / Bath depth cm	W × L / D 18 × 13 / 15		
Filling volume liters	5 ... 7.5		
Dimensions cm	W × L × H 42 × 49 × 70		



CORIO™ CD-1001F

Order No.	9 012 708		
Working temperature range °C	-38 ... +100		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C	-10 °C
	1	0.9	0.63
	-20 °C	-30 °C	-40 °C
	0.35	0.13	-
Pump capacity	l/min	bar	
Flow rate / Pressure	15	0,35	
Bath opening / Bath depth cm	W × L / D 35 × 41 / 30		
Filling volume liters	42 ... 56		
Dimensions cm	W × L × H 45 × 64 × 95		



Saves energy.

CORIO models come with various modes for the refrigeration unit: permanently on, permanently off, or on as refrigeration is needed. CORIO CD-600F to CORIO CD-1001 additionally contain a continuous automatic adjustment of the cooling capacity at the operating point to minimize the power consumption and the heat waste.

Refrigerated Circulators

CORIO CP Refrigerated/Heating Circulators

for working temperatures from -50 °C to +200 °C

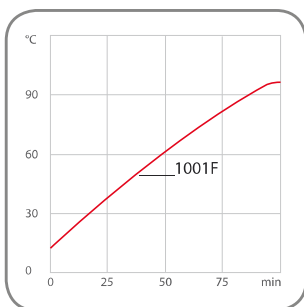
Refrigerated Circulators from the CORIO CP range are suitable for applications with a temperature range from -50°C to +200°C. The enhanced pump performance ensures they are suitable for easy temperature control tasks in combination with external applications.

- Models for internal and external applications
- Bright, white, easy-to-read display
- Very quiet
- Easy change-over from internal to external circulation and vice versa
- External pump connections (M16×1)
- pump capacity, infinitely adjustable
- USB interface
- RS232 interface
- Space-saving cooling coil design provides more usable space in the bath tank
- Bath lid and drain tap included
- Removable ventilation grid
- Refrigeration unit without side vents
- System for low liquid level
- Class III (FL) according to DIN 12876-1

To adapt the CORIO Refrigerated/Heating Circulator to your individual application, we offer a comprehensive range of accessories (bath fluid, tubing, adapter and more)

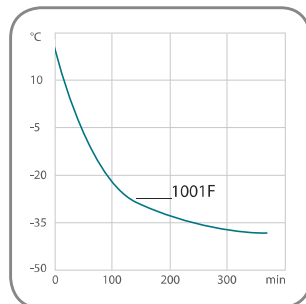
Heat-up time

Bath fluid: Thermal



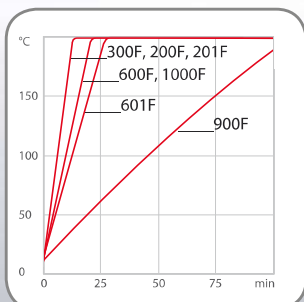
Cool-down time

Bath fluid: Ethanol



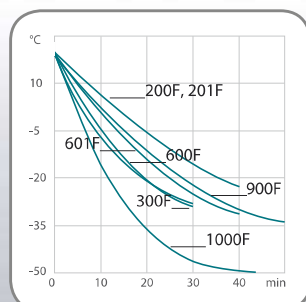
Heat-up time

Bath fluid: Thermal



Cool-down time

Bath fluid: Ethanol



CORIO™ CP-200F NEW

Order No.	9 013 701	
Working temperature range °C	-20 ... +200	
Temperature stability °C	± 0.03	
Heating capacity kW	2	
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C
	-10 °C	-20 °C
	0.2	0.15
	0.1	0.02
Pump capacity	l/min	bar
Flow rate / Pressure	8 ... 27	0.1 ... 0.7
Bath opening / Bath depth cm	W × L / D	
	13 × 15 / 15	
Filling volume liters	3 ... 4	
Dimensions cm	W × L × H	
	23 × 39 × 65	



CORIO™ CP-601F NEW

Order No.	9 013 705		
Working temperature range °C	-35 ... +200		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
Cooling capacity kW (Bath fluid: Ethanol)	+20 °C	0 °C	-10 °C
	-20 °C	-30 °C	-40 °C
	0.6	0.5	0.33
	0.2	0.07	-
Pump capacity	l/min	bar	
Flow rate / Pressure	8 ... 27	0.1 ... 0.7	
Bath opening / Bath depth cm	W × L / D		
	22 × 15 / 20		
Filling volume liters	8 ... 10		
Dimensions cm	W × L × H		
	36 × 46 × 74		



CORIO™ CP-201F NEW

Order No.	9 013 702		
Working temperature range °C	-20 ... +200		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
	+20 °C	0 °C	
Cooling capacity kW (Bath fluid: Ethanol)	0.2	0.15	
	-10 °C	-20 °C	
	0.1	0.02	
Pump capacity	l/min	bar	
Flow rate / Pressure	8 ... 27	0.1 ... 0.7	
Bath opening / Bath depth cm	W × L / D 13 × 15 / 15		
Filling volume liters	3 ... 4		
Dimensions cm	W × L × H 44 × 41 × 44		



CORIO™ CP-300F NEW

Order No.	9 013 703		
Working temperature range °C	-25 ... +200		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
	+20 °C	0 °C	
Cooling capacity kW (Bath fluid: Ethanol)	0.3	0.27	
	-10 °C	-20 °C	
	0.19	0.08	
Pump capacity	l/min	bar	
Flow rate / Pressure	8 ... 27	0.1 ... 0.7	
Bath opening / Bath depth cm	W × L / D 13 × 15 / 15		
Filling volume liters	3 ... 4		
Dimensions cm	W × L × H 24 × 42 × 66		



CORIO™ CP-600F NEW

Order No.	9 013 704		
Working temperature range °C	-35 ... +200		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
	+20 °C	0 °C	-10 °C
Cooling capacity kW (Bath fluid: Ethanol)	0.6	0.5	0.33
	-20 °C	-30 °C	-40 °C
	0.2	0.07	-
Pump capacity	l/min	bar	
Flow rate / Pressure	8 ... 27	0.1 ... 0.7	
Bath opening / Bath depth cm	W × L / D 22 × 15 / 15		
Filling volume liters	5 ... 7.5		
Dimensions cm	W × L × H 33 × 47 × 69		



CORIO™ CP-900F NEW

Order No.	9 013 706		
Working temperature range °C	-38 ... +200		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
	+20 °C	0 °C	-10 °C
Cooling capacity kW (Bath fluid: Ethanol)	0.9	0.8	0.52
	-20 °C	-30 °C	-40 °C
	0.31	0.11	-
Pump capacity	l/min	bar	
Flow rate / Pressure	8 ... 27	0.1 ... 0.7	
Bath opening / Bath depth cm	W × L / D 26 × 35 / 20		
Filling volume liters	21 ... 30		
Dimensions cm	W × L × H 39 × 62 × 75		



CORIO™ CP-1000F NEW

Order No.	9 013 707		
Working temperature range °C	-50 ... +200		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
	+20 °C	0 °C	-10 °C
Cooling capacity kW (Bath fluid: Ethanol)	1	0.9	0.73
	-20 °C	-30 °C	-40 °C
	0.5	0.3	0.13
Pump capacity	l/min	bar	
Flow rate / Pressure	8 ... 27	0.1 ... 0.7	
Bath opening / Bath depth cm	W × L / D 18 × 13 / 15		
Filling volume liters	5 ... 7.5		
Dimensions cm	W × L × H 42 × 49 × 70		



CORIO™ CP-1001F NEW

Order No.	9 013 708		
Working temperature range °C	-38 ... +100		
Temperature stability °C	± 0.03		
Heating capacity kW	2		
	+20 °C	0 °C	-10 °C
Cooling capacity kW (Bath fluid: Ethanol)	1	0.9	0.6
	-20 °C	-30 °C	-40 °C
	0.6	0.12	-
Pump capacity	l/min	bar	
Flow rate / Pressure	8 ... 27	0.1 ... 0.7	
Bath opening / Bath depth cm	W × L / D 35 × 41 / 30		
Filling volume liters	42 ... 56		
Dimensions cm	W × L × H 45 × 64 × 95		

JULABO Thermal Bath Fluids

JULABO Thermal bath fluids have been carefully chosen following long term testing. They are highly suitable for all of your temperature control applications guaranteeing safe and reliable operation. Choosing the proper bath fluid is critical for high performance temperature control. The viscosity and heat transfer characteristics of the Thermal fluids are specifically selected for use with JULABO temperature control instruments.

Advantages

- Broad temperature ranges
- Low viscosity
- High stability
- Good thermal conductivity
- Almost odorless
- Long life



Makes routine laboratory work easier.

JULABO Thermal bath fluids are delivered in containers with a handy drain tap.



Tidy.

The special drain tap for easy draining of bath fluids without tools.



Thermal G

Order No. 5 liters 8 940 125

Order No. 10 liters 8 940 124

Working temperature range °C -30 ... +80

Flash point °C not applicable

Fire point °C not applicable

Viscosity, (kinematic at +20 °C) mm²/s 4,07

Density (at +20 °C) g/cm³ 1,08

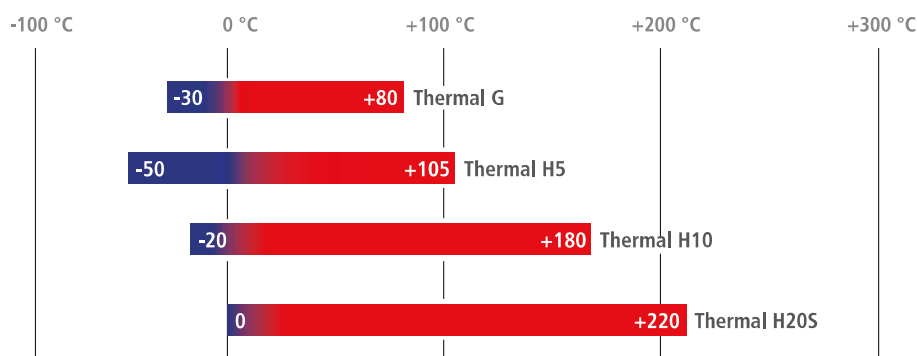
Pour point °C -70

Boiling point °C +108

Ignition temperature °C +430

Color light yellow

Working temperature range





Thermal H5

Order No. 5 liters	8 940 107
Order No. 10 liters	8 940 106
Working temperature range °C	-50 ... +105
Flash point °C	+124
Fire point °C	+142
Viscosity, (kinematic at +20 °C) mm ² /s	5,66
Density (at +20 °C) g/cm ³	0,92
Pour point °C	-100
Boiling point °C	+288
Ignition temperature °C	+350
Color	clear

Thermal H10

Order No. 5 liters	8 940 115
Order No. 10 liters	8 940 114
Working temperature range °C	-20 ... +180
Flash point °C	>+170
Fire point °C	+220
Viscosity, (kinematic at +20 °C) mm ² /s	10,8
Density (at +20 °C) g/cm ³	0,94
Pour point °C	<-60
Boiling point °C	+288
Ignition temperature °C	+370
Color	clear

Thermal H20S

Order No. 5 liters	8 940 109
Order No. 10 liters	8 940 108
Working temperature range °C	0 ... +220
Flash point °C	+230
Fire point °C	+264
Viscosity, (kinematic at +20 °C) mm ² /s	22,3
Density (at +20 °C) g/cm ³	0,95
Pour point °C	-70
Boiling point °C	+424
Ignition temperature °C	+385
Color	light brown

JULABO Thermal bath fluids based on silicone ...

... are chemically inert substances which do not affect metals like iron, copper, zinc, aluminum, chrome or nickel. Compared to other fluids, JULABO Thermal fluids have an extraordinarily low electrical conductivity. When properly stored, the fluids will last for 12 months and longer as they are not susceptible to climatic influences.

JULABO Thermal bath fluids based on water-glycol ...

... (monoethyleneglycol with anti-corrosion additives) have excellent thermal characteristics and a low viscosity. In addition, they provide anti-freeze protection, i.e. they can be applied at temperatures below the freezing point of water.

More information on JULABO Thermal bath fluids ...

... in our brochure 'Thermal Bath Fluids' at www.julabo.com.



Refrigerated Circulators Accessories



Water protective media to prevent formation of algae and bacteria and Descaling agent

Order No.	Description	Suitable for
8 940 006	Aqua Stabil, 6 bottles 100 ml each	C, CD, CP
8 940 012	Aqua Stabil, 12 bottles 100 ml each	C, CD, CP
9 940 200	Descaling agent 1 Liter	C, CD, CP



Hollow balls to reduce heat loss, evaporation, oxygen input, odors, action of light

Order No.	Description	Suitable for
8 970 010	Hollow balls, Polypropylene®, 20 mm Ø, 1000 pcs (up to +100 °C, for water only)	C, CD, CP



Heat exchangers / Cooling installations

Order No.	Description	Suitable for
9 970 240	Bath cover with built-in heat exchanger	CD-200F, CP-200F, CD-201F, CP-201F, CD-300F, CP-300F
9 970 242	Bath cover with built-in heat exchanger	CD-600F, CP-600F, CD-601F, CP-601F, CD-1000F, CP-1000F



CR® tubing (-30 °C ... +120 °C)

Order No.	Description	Suitable for
8 930 008	1 m, 8 mm inner dia.	CD, CP
8 930 010	1 m, 10 mm inner dia.	CD, CP
8 930 012	1 m, 12 mm inner dia.	CD, CP



Viton® tubing (-35 °C ... +200 °C)

Order No.	Description	Suitable for
8 930 108	1 m, 8 mm inner dia.	CD, CP
8 930 110	1 m, 10 mm inner dia.	CD, CP
8 930 112	1 m, 12 mm inner dia.	CD, CP



PTFE tubing (-60 °C ... +180 °C)

Bestell-Nr.	Bezeichnung	Einsetzbar für
8 930 140	PTFE tubing 8 mm ID x 10 mm OD per meter	CD, CP
8 930 142	PTFE tubing 12 mm ID x 14 mm OD per meter	CD, CP



Tubing insulation (-50 °C ... +100 °C)

Order No.	Description	Suitable for
8 930 410	1 m, for tubing 8 - 10 mm inner dia.	CR® / Viton® tubing
8 930 412	1 m, for tubing 12 mm inner dia.	CR® / Viton® tubing



Tube clamps

Order No.	Description	Suitable for
8 970 480	2 Tube clamps, size 1	CR® / Viton® tubing 8 mm inner dia.
8 970 481	2 Tube clamps, size 2	CR® / Viton® tubing 10 - 12 mm inner dia.



Metal tubing flexible, insulated (-50 °C ... +200 °C)

Order No.	Description	Suitable for
8 930 220	0,5 m Metal tubing, 2 fittings M16x1 female	CD, CP
8 930 221	1.0 m Metal tubing, 2 fittings M16x1 female	CD, CP
8 930 222	1.5 m Metal tubing, 2 fittings M16x1 female	CD, CP
8 930 223	3.0 m Metal tubing, 2 fittings M16x1 female	CD, CP



Adapters and connectors

Order No.	Description	Suitable for
8 970 446	2 Barbed fittings for tubing 8 mm inner dia.	CD, CP
8 970 447	2 Barbed fittings for tubing 10 mm inner dia	CD, CP
8 970 445	2 Barbed fittings for tubing 12 mm inner dia.	CD, CP
8 970 443	1 Adapter M16x1 male to M16x1 male	CD, CP
8 970 490	2 Collar nuts M16x1 female	CD, CP
8 970 442	2 Elbow fittings 90°, M16x1 female/male	CD, CP
8 890 004	2 Adapters M16x1 female to NPT 1/4" male	CD, CP
8 890 005	2 Adapters M16x1 female to NPT 1/4" female	CD, CP
8 890 006	2 Adapters M16x1 female to NPT 3/8" male	CD, CP
8 890 007	2 Adapters M16x1 female to NPT 3/8" female	CD, CP
8 890 008	2 Adapters M16x1 female to NPT 1/2" male	CD, CP
8 890 009	2 Adapters M16x1 female to NPT 1/2" female	CD, CP
8 890 010	2 Adapters M16x1 male to NPT 1/4" female	CD, CP
8 891 008	1 Adapter M16x1 male to BSP 1/2" female	CD, CP
8 891 009	1 Adapter M16x1 male to BSP 3/4" female	CD, CP
8 890 011	2 Adapters M16x1 female to tube 1/4" male	CD, CP
8 890 012	2 Adapters M16x1 female to tube 3/8" male	CD, CP
8 890 013	2 Adapters M16x1 female to tube 1/2" male	CD, CP
8 890 024	2 Adapters M16x1 female to M16x1 female	CD, CP



Shut-off valves for loop circuit

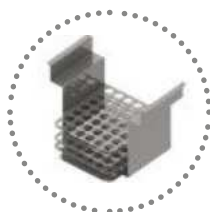
Order No.	Description	Suitable for
8 970 457	Shut-off valve (-30 °C ... +200 °C), M16x1	CD, CP
8 970 456	Shut-off valve (-10 °C ... +100 °C), M16x1	CD, CP

Refrigerated Circulators Accessories



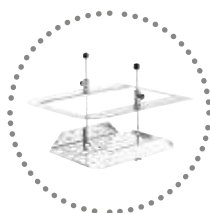
Twin distributing adapters with barbed fittings

Order No.	Description	Suitable for
8 970 470	Twin distributing adapter with barbed fittings	Tubing 8 mm inner dia.
8 970 471	Twin distributing adapter with barbed fittings	Tubing 12 mm inner dia.
8 970 472	Twin distributing adapter with barbed fittings	Tubing 10 mm inner dia.
8 970 473	Twin distributing adapter M16x1 female to 2 x M16x1 male	CD, CP



Test tube racks made out of stainless steel, up to +150 °C

Order No.	Description	Suitable for
9 970 320	Test tube rack for 30 tubes 100 x 17 mm dia.	CD-200F, CP-200F, CD-201F, CP-201F CD-300F, CP-300F
9 970 321	Test tube rack for 42 tubes 75 x 12 / 13 mm dia.	CD-200F, CP-200F, CD-201F, CP-201F CD-300F, CP-300F
9 970 322	Test tube rack for 42 tubes 40 x 10 / 11 mm dia.	CD-200F, CP-200F, CD-201F, CP-201F CD-300F, CP-300F
9 970 323	Test tube rack for 10 falcon tubes 50 ml	CD-200F, CP-200F, CD-201F, CP-201F CD-300F, CP-300F



Immersion-height adjustable platforms

Order No.	Description	Suitable for
9 970 506	Immersion-height adjustable platform	CD-900F, CP-900F



Accessories Beer Forcing Test

Order No.	Description	Suitable for
9 970 247	Transparent bath cover, plexiglas, temperature range -10 °C ... +80 °C	CD1001F, CP-1001F
9 970 337	Basket for 20 bottles 0.33 l / 0.5 l, stainless steel	CD1001F, CP-1001F



Software and hardware for instrument control, data recording and visualization, interfaces

Order No.	Description	Suitable for
8 901 102	EasyTEMP Software (free of charge at www.julabo.com)	CD, CP
8 901 105	EasyTEMP Professional Software, incl. USB-Dongle	CD, CP
9 900 110	USB interface cable 2 m, type A-B	CD, CP
9 900 112	USB 2.0 Repeater extension cable, length = 5 m	CD, CP
9 900 114	USB 2.0 Repeater extension cable, length = 10 m	CD, CP
8 980 073	RS232 interface cable, length 2,5 m. Interface cable RS232 9-pole/9-pole	CP
8 980 074	RS232 interface cable, length 5 m. Interface cable RS232 9-pole/9-pole.	CP
8 980 031	Ethernet/RS232 interface converter for temperature control instruments with RS232 interface.	CP
8 980 032	Ethernet/RS232 Converter Connection of up to 4 JULABO instruments via RS232 interface cable (8980074). Connection to an existing network via RJ45 cable (8980071).	CP
8 980 033	Ethernet/RS232 Converter Connection of up to 8 JULABO instruments via RS232 interface cable (8980074). Connection to an existing network via RJ45 cable (8980071).	CP



Calibration and testing certificates

Order No.	Description	Suitable for
8 902 901	1-Point Manufacturer's calibration certificate	C, CD, CP
8 902 903	3-Point Manufacturer's calibration certificate	C, CD, CP
8 902 905	5-Point Manufacturer's calibration certificate	C, CD, CP
8 903 025	Manufacturer's testing certificate for JULABO units (with up to 1 kW cooling capacity at +20 °C)	Refrigerated Circulators



IQ/OQ Documentation for equipment qualification

Order No.	Description	Suitable for
2 310 110	IQ/OQ Documentation, Category 1	CD, CP



Preventative Maintenance Contract

Order No.	Description	Suitable for
2 350 100	Preventative Maintenance Contract Standard includes the following services: Visual inspection, technical diagnostics, data analysis, BlackBox, testing of tube connections and bath fluid, thorough cleaning of condenser and other components, testing of temperature stability and sensor calibration, testing/measuring of pump and cooling capacity (depending on model) and firmware update (if no hardware adjustment is required)	CD, CP
2 350 110	Preventative Maintenance Contract Premium includes all services listed above as well as spare parts and labor required for installation or replacement	CD, CP

