

CORIO CP-900F Refrigerated – Heating Circulator

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

Your advantages

- · Models for internal and external applications
- Bright, white, easy to read display
- Very quiet
- · Easy pump change-over between internal and external circulation
- · External pump connections
- · Powerful and infinitely adjustable pressure pump
- · USB connection
- RS232 interface for online communication
- · Space-saving cooling coil design yields more usable space in the bath tank
- Bath lid and drain tap included
- · Removable ventilation grid
- Refrigeration unit without side vents
- · Class III (FL) according to DIN 12876-1



Technical data

Available voltage version	าร	Bath							
Order No.	9 013 706	Bath tank	Stainless steel						
Available voltage versions:		Bath cover	integrated						
9 013 706.02		Usable bath opening cm (W x L / D)	26 x 35 / 20						
9 013 706.04									
9 013 706.05									
9 013 706.33									
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Cooling		Other	
Cooling of compressor	1-stage Air	Classification	Classification III (FL)
		Pump function	Pressure Pump
		Pump type	Immersion Pump
Electronics		Dimensions and volumes	
Temperature control	PID1	Weight kg	52
Absolute temperature calibration	1 Point Calibration	Barbed fittings inner diameter	8/12 mm
Temperature display	LED	Dimensions cm $(W \times L \times H)$	39 x 62 x 75
Temperature setting	Keypad	Filling volume I	21 30
Electronic Timer hr:min	0 999	Pump connections	M16x1 male
Temperature values			
Working temperature range °C	-38 +200		
Temperature stability °C	±0.03		
Ambient temperature °C	+5 +40		
Temperature display resolution °C	0.01 0.1		





Performance values

115V	//60H	lz						
Heating capacity kW 1								
Coolin	ıg capa	acity (E						
°C	20	10	0	-10	-20	-30		
kW	0.9	0.85	8.0	0.52	0.31	0.11		
Viscos	sity ma	x. cST					50	
Refrig	erant						R449A	
Filling	volum	e g					220	
Global	l Warm	ning Po	tentia	l for R4	149A		1397	
Carbo	n dioxi	de equ	iivalen	t t			0.307	
Pump	capac	ity flov	v rate l	/min			8 27	
Pump	capac	ity flov	v press	sure ba	ar		0.1 0.7	

Pump	capad	city flov	v pres	sure b	ar		0.1 0.7									
200V/50Hz Heating capacity kW								200V/60Hz								
Heati	ng cap	acity k\	W				1.5	Heatir	Heating capacity kW 1.5							
Cooling capacity (Ethanol)								Coolir	Cooling capacity (Ethanol)							
°C	20	10	0	-10	-20	-30		°C	20	10	0	-10	-20	-30		
kW	0.9	0.85	0.8	0.52	0.31	0.11		kW	0.9	0.85	0.8	0.52	0.31	0.11		
Visco	sity ma	ax. cST					50	Viscos	sity ma	ax. cST					50	
Refrig	gerant						R449A	Refrig	erant						R449A	
Filling	g volun	ne g					220	Filling	volum	ne g					220	
Globa	al Warn	ning Po	tentia	l for R	449A		1397	Globa	l Warm	ning Po	tentia	I for R	449A		1397	
Carbo	on diox	ide equ	iivalen	nt t			0.307	Carbo	n diox	ide equ	iivalen	t t			0.307	
Pump	сарас	city flov	v rate	l/min			8 27	Pump	capac	ity flov	v rate	l/min			8 27	
Pump	сарас	city flov	v pres	sure b	ar		0.1 0.7	Pump	capac	ity flov	v pres	sure b	ar		0.1 0.7	
230	V/50H	Ηz						230V	//60H	łz						
Heati	ng cap	acity k\	N				1.8	Heatir	ng cap	acity k\	Ν				1.8	
Cooli	ng cap	acity (E	thano	ol)				Coolin	ng capa	acity (E	thano	l)				

3 1, ,					1.8	Heating capacity kW							1.8		
Cooling capacity (Ethanol)								acity (E	thanol)						
°C	20	10	0	-10	-20	-30		°C	20	10	0	-10	-20	-30	
kW	0.9	0.85	0.8	0.52	0.31	0.11		kW	0.9	0.85	0.8	0.52	0.31	0.11	
Viscos	sity ma	ax. cST					50	Viscos	sity ma	ax. cST					50
Refrigerant							R449A	Refrigerant							R449A
Filling volume g							220	Filling volume g 220							
Global	Warn	ning Po	tentia	I for R4	149A		1397	Global	1397						
Carbo	n diox	ide equ	ıivalen	t t			0.307	Carbo	n dioxi	0.307					
Pump	capac	ity flov	v rate	l/min			8 27	Pump	8 27						
Pump	capac	ity flov	v pres	sure ba	ar		0.1 0.7	Pump	capac	ity flov	pres	sure ba	ar		0.1 0.7
200V	//50H	łz						200V	/60H	lz					

200V/50Hz						200V/60Hz										
Heatin	g capa	acity k\	N				1	Heating capacity kW						1.5		
Coolin	g capa	acity (E	thano	l)				Coolin	g capa	acity (E	thano	l)				
°C	20	10	0	-10	-20	-30		°C	20	10	0	-10	-20	-30		
kW	0.9	0.85	0.8	0.52	0.31	0.11		kW	0.9	0.85	0.8	0.52	0.31	0.11		
Viscos	ity ma	x. cST				į	50	Viscos	sity ma	x. cST				;	50	
Refrige	erant					F	R449A	Refrig	erant					1	R449A	



Filling volume g			
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kW 0.9 0.85 0.8 0.52 0.31 0.11 kW 0.9 0.85 0.8 0.52 0.31 0.11			
Viscosity max. cST 50 Viscosity max. cST 50			
Refrigerant R449A Refrigerant R449A			
Filling volume g 220 Filling volume g 220			
Global Warming Potential for R449A 1397 Global Warming Potential for R449A 1397			
Carbon dioxide equivalent t 0.307 Carbon dioxide equivalent t 0.307			
Pump capacity flow rate I/min 8 27 Pump capacity flow rate I/min 8 27			
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Cooling capacity (Ethanol) °C 20 10 0 -10 -20 -30 kW 0.9 0.85 0.8 0.52 0.31 0.11 Viscosity max. cST 50 Viscosity max. cST 50 Refrigerant R449A Refrigerant R44 Filling volume g 220 Filling volume g 220	149A
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Filling volume g 220 Filling volume g 220	_
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Carbon dioxide equivalent t 0.307 Carbon dioxide equivalent t 0.30	307
Pump capacity flow rate I/min 8 27 Pump capacity flow rate I/min 8	27
Pump capacity flow pressure bar 0.1 0.7 Pump capacity flow pressure bar 0.1	1 0.7
230V/50Hz 230V/60Hz	
Heating capacity kW 2 Heating capacity kW 2	
Cooling capacity (Ethanol) Cooling capacity (Ethanol)	
°C 20 10 0 -10 -20 -30 °C 20 10 0 -10 -20 -30	
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Refrigerant R449A Refrigerant R449A Sefrigerant R449A Refrigerant R449A Sefrigerant	20 897

All Benefits



ATC

Absolute Temperature Calibration, 1-point calibration (CD).



Condensation protection.

Superb design solution. Integrated ventilation directs air over the bath lid and minimizes condensation.



Handle with ease.

Makes day-to-day work easy. Comfortably move your JULABO Circulator around by using the ergonomic handles (front and rear).



Internal. External.

The pump is controlled via a lever located directly below the display. Easily change between internal and external circulation.



Mobile

Extra easy handling. Integrated castors for easy repositioning of refrigerated circulators.



More bath.

Designed for more comfort. Thanks to the recessed cooling coil, the internal bath provides more space.



Safety.

CORIO CD and CP comply with Class III (FL) according to DIN 12876-1 and switches off automatically in case of high temperature or low liquid level alarm.



Solid

Minimized energy loss through high-quality insulation.



1.888.610.7664





Space saving. Free up space.

Place your JULABO Circulator right next to an application, another unit, or wall. That saves space. This is made possible by eliminating vents and connections on the sides.



Stable.

Rubber feet allow for a secured footing of your CORIO to prevent damage to your laboratory



Tidy.

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



Touching permitted.

Optimum safety. The ergonomic plastic handle protects your fingers from hot surfaces.



100% Checked.

100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



Green technology.

Development consistently applied environmentally friendly materials and technologies.



JULABO. Quality.

Highest standards of quality for a long product



Ouick start.

Individual JULABO consultation and comprehensive manuals at your disposal.



Satisfied customers.

11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.





Timer. Integrated.

CORIO circulators include an integrated timer function. When the set time has elapsed, a signal sounds and the device switches off. Setting range: 0 ... 999 minutes.



Connection. Easy.

Inclined pump connections (M16×1) facilitate the connection of applications. Each unit includes 2 barbed fittings of 8/12 mm diameter each.



Brilliant.

Very bright display makes it easy to read even from a distance.



Everything at the front.

All operating controls and safety functions are accessed easily and comfortably from the



You can rely on it. PID1 control and 'Active Cooling Control' make the new CORIO precise and perfect.



Locked in.

The lockable power plug guarantees safe connection. More process safety.



Switch on. And off you go.

Intelligent operating concept. Ready for operation with just a few quick and easy steps.



Powerful. Adjustable.

Strong pressure pump, continuously adjustable.



Early warning system for low liquid level.

Maximum safety for your application. Optical and audible alarm allows user to refill bath fluid in time.



Connectivity.

Remote control made easy. CORIO CP circulators feature a USB connection and RS232 interface.

