



# Precision Temperature Solutions

Between -190°C and 250°C  
Accuracy up to 0.01°C.



# Labo

## High technologies for the needs of laboratories.



PRECISION TEMPERATURE SOLUTIONS

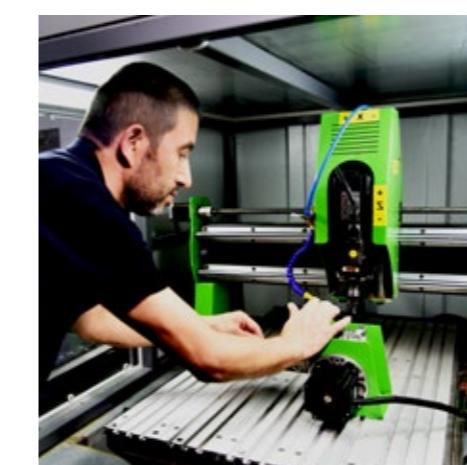
We have been working  
on precision temperature  
solutions for 40+ years.

Labo has been a leader in sustainable living through high-precision temperature control solutions since 1981. Redefining temperature control to meet human needs and simplify work for a sustainable world is at the heart of Labo's story.

Labo develops and manufactures heated and cooled circulating baths that perform liquid temperature control tasks with a precision of 0.01°C, ranging from -190°C to 250°C. Today, Labo is a large team engaged in a broad spectrum of installation, design, and mass production projects for solution partners, significantly impacting both global and specialized projects.

Labo's mission is to provide temperature-conditioned environments for standardization in various industries. It offers products that ensure precise temperature control in research and industrial organizations, laboratories, pilot plants, and production processes, and exports to 40 countries. As Labo innovates to expand the capabilities of its products, its commitment to quality, reliability, and durability continues to be a cornerstone of its corporate values since 1981.

Quality  
Certificates



# Dozens of sectors use Labo products

Labo has the capability to produce high-quality temperature control devices and solutions, leveraging its extensive experience spanning many years, leadership in research and development, and a wide range of products. All Labo devices are designed to cater to various applications across different industries.



 Biotechnology

 Paint and Coatings

 Computer/Internet/IT

 Iron and Steel

 Maritime

 Glass and Ceramic

 Energy

 Food

 Electrical and Electronic

 Pharmaceutical

 Construction

 Aviation

 Chemistry

 Laboratory

 Calibration

 Automotive

 Plastic

 Mining

 Textile

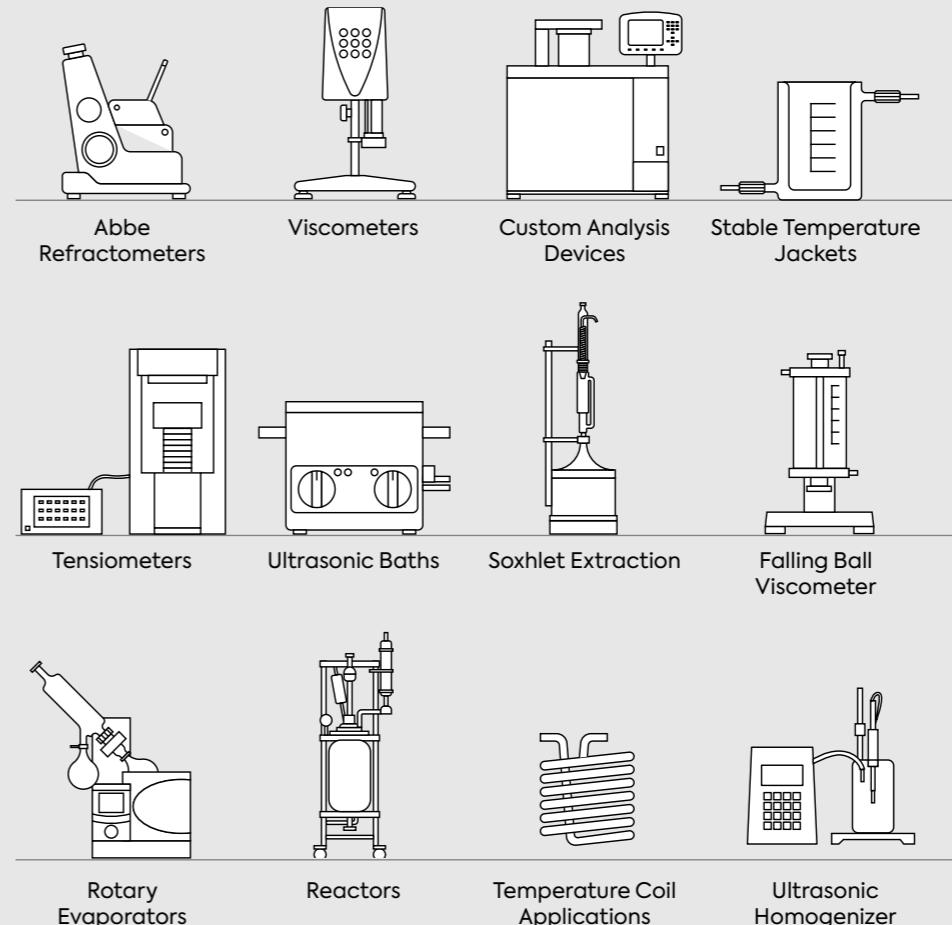
 Testing and Analysis

 Petroleum

 Health

 Defense

 University



## Sample studies involving Labo products in your laboratory

Quality Control Activities

Water Resistance Tests

R&D Activities

Temperature Resistance Tests

Calibration Activities

General Laboratory Cooler

Viscosity Tests

Temperature-Corrosion Tests

Closed-Loop Systems

Crystallization Researches

Distillation Systems

Bacteriological Researches

Exothermic Reaction Cooling

Charpy Impact Testing

Biological Researches

Pilot Production Systems

Chemical Reaction Researches

Blood and Serum Thawing Baths

Polymer Researches

Metallurgical Analysis

Food Quality Control Activities

Cloud and Pour Point Tests

Petroleum Tests



# Easy integration with different systems.

The easy integration principle of Labo works in harmony with a multitude of devices. By combining innovation and quality, Labo enhances the power of the device to be integrated. Labo's commitment to easy integration adds strength to your devices, creating a seamless connection between technology and performance.

# B SERIES

## Refrigerated and Heating Circulators



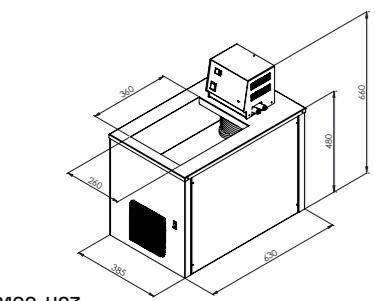
The most significant feature that distinguishes the B Series from other circulator models is having the largest liquid tank capacity among Labo models. B Series circulators offer bath capacity alternatives between 20 and 54 liters.

B Series have temperature range between -60°C / 100°C.

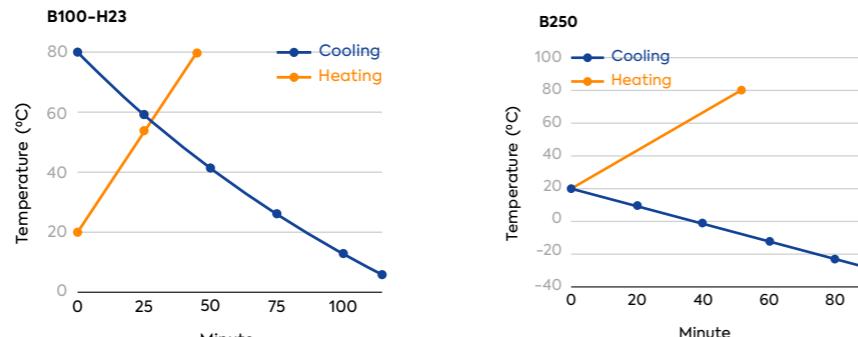
### Common Features

Display Type	Digital
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Low Liquid Level Alert System	Standart for product codes end with number 2 (XXX-X2)
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

\*\*To view the pump graph, please browse to page 31



B100-H23



The values are at room temperature.

Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability(°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Connections	Wheel	Dimensions (mm)	Weight (kg)
B100-D22	-10/100	16/20	260x360/160	2	310	±0,02	Internal	Exist	OTSS+AA	-	-	385x630x660	44
B100-D23	-10/100	16/20	260x360/160	2	310	±0,03	Internal	-	OTSS	-	-	385x630x660	44
B100-H22	-10/100	16/20	260x360/160	2	310	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	385x630x660	44
B100-H23	-10/100	16/20	260x360/160	2	310	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	385x630x660	44
B105-D22	-10/200	16/20	260x360/160	2	420	±0,05	Internal	Exist	OTSS+AA	-	-	385x630x660	44
B250-D23	-25/100	16/20	260x360/160	2	420	±0,03	Internal	-	OTSS	-	-	385x630x660	44
B250-H22	-25/100	16/20	260x360/160	2	420	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	385x630x660	44
B250-H23	-25/100	16/20	260x360/160	2	420	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	385x630x660	44
B305-H22	-30/200	16/20	260x360/160	2	420	±0,05	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	340x570x610	44
BX100-D22	-10/100	48/54	350x420/270	2	430	±0,05	Internal	Exist	OTSS+AA	-	Exist	490x690x910	60
BX100-H22	-10/100	48/54	350x420/270	2	430	±0,05	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	Exist	490x690x910	60
BX107-D22	-10/100	26/32	350x420/160	2	430	±0,05	Internal	Exist	OTSS+AA	-	Exist	490x690x910	60
BX107-H22	-10/100	26/32	350x420/160	2	430	±0,05	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	Exist	490x690x910	60
BX200-D22	-20/100	48/54	350x420/270	2	480	±0,05	Internal	Exist	OTSS+AA	-	Exist	490x690x910	62
BX350-D22	-35/100	48/54	350x420/270	2	510	±0,05	Internal	Exist	OTSS+AA	-	Exist	490x690x910	66
BX400-D22	-40/100	48/54	350x420/270	2	510	±0,05	Internal	Exist	OTSS+AA	-	Exist	490x690x910	66
BX405-D22	-40/100	34/40	350x420/200	2	500	±0,05	Internal	Exist	OTSS+AA	-	Exist	490x690x910	66
BX600-D22	-60/100	48/54	350x420/270	2	480	±0,05	Internal	Exist	OTSS+AA	-	Exist	630x750x1010	66
BX605-D22	-60/100	34/40	350x420/200	2	530	±0,05	Internal	Exist	OTSS+AA	-	Exist	630x750x950	100

OTSS: Over Temperature Safety System AA: Acoustic Alarm m: Male pc: Pipe connection

C Series circulators are used for precise temperature studies with cooling and heating features. The C Series models are preferred for R&D and quality control processes because of their practical structure.

C Series have temperature range between -80°C / 100°C.

### Common Features

Display Type	Digital
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

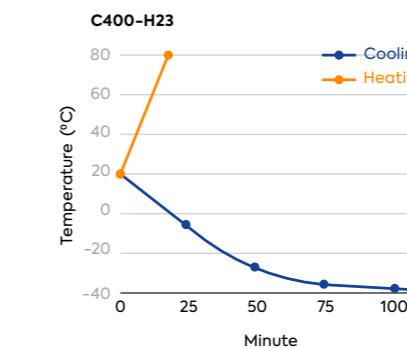
\*\*To view the pump graph, please browse to page 31

# C SERIES

## Refrigerated and Heating Circulators



C200



The values are at room temperature.

Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability(°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Connections	Wheel	Dimensions (mm)	Weight (kg)
C200-D13	-20/100	5/7	140x145/155	1,1	250	±0,03	Internal	-	OTSS	-	-	285x415x625	27
C200-H13	-20/100	5/7	140x145/155	1,1	250	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	285x415x625	27
C200-H23	-20/100	5/7	140x145/155	2	250	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	285x415x625	27
C300-D13	-30/100	6/8	140x145/160	1,1	300	±0,03	Internal	-	OTSS	-	-	315x470x663	39
C300-H13	-30/100	6/8	140x145/160	1,1	300	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	315x470x663	39
C300-H23	-30/100	6/8	140x145/160	2	300	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	315x470x663	39
C400-D13	-40/100	6/8	140x145/160	1,1	470	±0,03	Internal	-	OTSS	-	-	315x470x663	39
C400-H13	-40/100	6/8	140x145/160	1,1	470	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	315x470x663	39
C400-H23	-40/100	6/8	140x145/160	2	470	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	315x470x663	39
C600-D23	-60/100	6/8	140x145/160	2	380	±0,05	Internal	-	OTSS	-	Exist	490x690x900	90
C600-H13	-60/100	6/8	140x145/160	1,1	380	±0,05	Int.+Ext.	-	OTSS	Ø10mm pc	Exist	490x690x900	90
C600-H23	-60/100	6/8	140x145/160	2	380	±0,05	Int.+Ext.	-	OTSS	Ø10mm pc	Exist	490x690x900	90
C800-D23	-80/100	6/8	140x145/160	2	530	±0,05	Internal	-	OTSS	-	Exist	490x690x900	90
C800-H22	-80/100	6/8	140x145/160	2	530	±0,05	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	Exist	490x690x910	90
C800-H23	-80/100	6/8	140x145/160	2	530	±0,05	Int.+Ext.	-	OTSS	Ø10mm pc	Exist	490x690x900	90

# P

## SERIES

### Refrigerated and Heating Circulators



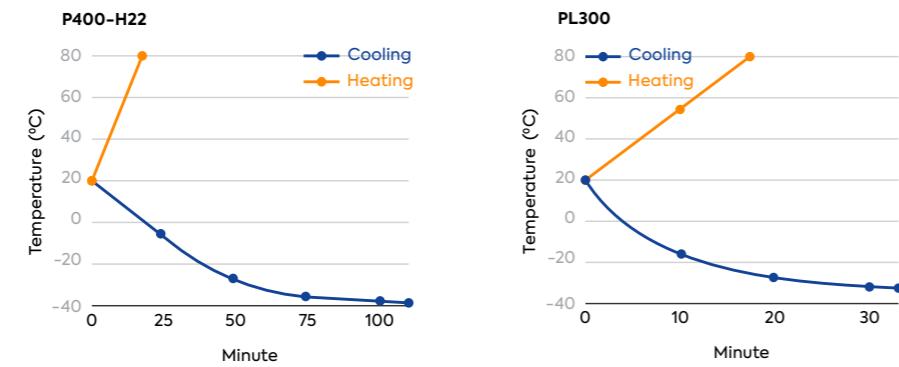
P Series circulators are advanced models with liquid level warning system and better temperature stability. When the cooling feature is turned off by a switch, the circulators can be used as a heating circulator.

P series models have the widest temperature range from -60°C to 200°C.

#### Common Features

Display Type	Digital
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Low Liquid Level Alert System	Standart
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

\*\*To view the pump graph, please browse to page 31



P200-D22

Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Connections	Wheel	Dimensions (mm)	Weight (kg)
P200-D22	-20/100	7/9	130x170/160	2	270	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x650	36
P200-H22	-20/100	7/9	130x170/160	2	270	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x650	36
P300-D22	-30/100	7/9	130x170/160	2	320	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x650	38
P300-H22	-30/100	7/9	130x170/160	2	320	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x650	38
P400-D22	-40/100	7/9	130x170/160	2	490	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x680	39
P400-H22	-40/100	7/9	130x170/160	2	490	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x680	39
P600-D22	-60/100	7/9	140x145/160	2	650	±0,02	Internal	Exist	OTSS+AA	-	Exist	490x690x910	90
P600-H22	-60/100	7/9	140x145/160	2	650	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	Exist	490x690x910	90
PL200-D22	-20/150	7/9	130x170/160	2	270	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x650	38
PL200-H22	-20/150	7/9	130x170/160	2	270	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x650	38
PL300-D22	-30/150	7/9	130x170/160	2	320	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x650	38
PL300-H22	-30/150	7/9	130x170/160	2	320	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x650	38
PL400-D22	-40/150	7/9	130x170/160	2	490	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x680	39
PL400-H22	-40/150	7/9	130x170/160	2	490	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x680	39
PL600-H22	-60/150	7/9	140x145/160	2	650	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	Exist	490x690x910	95
PH200-D22	-20/200	7/9	130x170/160	2	270	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x650	38
PH200-H22	-20/200	7/9	130x170/160	2	270	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x650	38
PH300-D22	-30/200	7/9	130x170/160	2	320	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x650	38
PH300-H22	-30/200	7/9	130x170/160	2	320	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x650	38
PH400-D22	-40/200	7/9	130x170/160	2	490	±0,02	Internal	Exist	OTSS+AA	-	-	315x470x680	39
PH400-H22	-40/200	7/9	130x170/160	2	490	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	-	315x470x680	39
PH600-H22	-60/200	7/9	130x170/160	2	650	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	Exist	490x690x910	95

OTSS: Over Temperature Safety System AA: Acoustic Alarm m: Male pc: Pipe connection

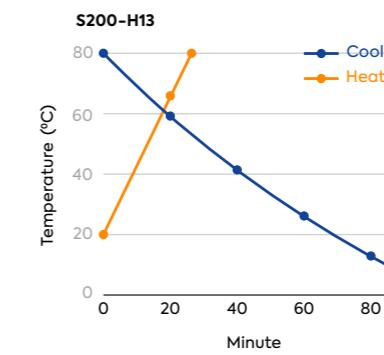
The most conspicuous feature of the S Series circulators is the external dimensions. Contrary to the conventional thin-long bath structure, these models have a wide-short appearance.

S Series have temperature range between -20°C / 100°C.

#### Common Features

Display Type	Digital
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Low Liquid Level Alert System	Standart
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

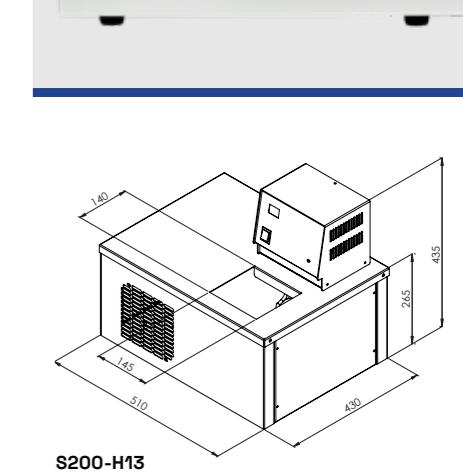
\*\*To view the pump graph, please browse to page 31



# S

## SERIES

### Refrigerated and Heating Circulators



Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Connections	Wheel	Dimensions (mm)	Weight (kg)
S100-D23	-10/100	16/20	260x360/160	2	310	±0,05	Internal	-	OTSS	-	-	770x630x785	44
S100-H23	-10/100	16/20	260x360/160	2	310	±0,05	Int.+Ext.	-	OTSS	Ø10mm pc	-	770x630x785	44
S200-D13	-20/100	5/7	140x145/158	1,1	250	±0,03	Internal	-	OTSS	-	-	510x430x435	27
S200-H13	-20/100	5/7	140x145/158	1,1	250	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	510x430x435	27
S200-H23	-20/100	5/7	140x145/158	2	250	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	-	510x430x435	27

OTSS: Over Temperature Safety System AA: Acoustic Alarm pc: Pipe connection

# H SERIES

## Heating Circulators



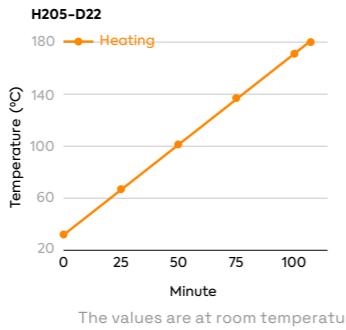
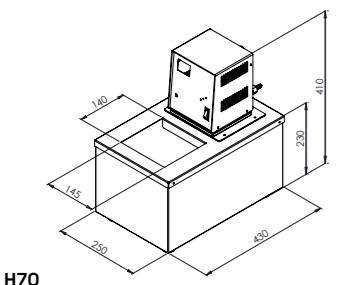
While other models have both heating and cooling features, the H Series is unique in having only a heating function. H Series reach the highest temperature among all models.

H Series have temperature range between 30°C / 250°C.

### Common Features

Display Type	Digital
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Low Liquid Level Alert System	Standart for product codes end with number 2 (XXX-X2)
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

\*\*To view the pump graph, please browse to page 31

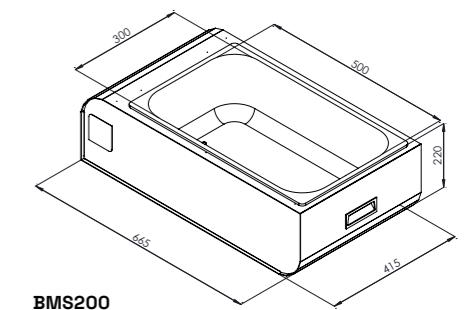


Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Connections	Dimensions (mm)	Weight (kg)
H70-D13	30 / 100	5 / 7	140x145 / 155	1,1	±0,03	Internal	-	OTSS	-	248x385x400	12
H70-D22	30 / 100	5 / 7	140x145 / 155	2	±0,02	Internal	Exist	OTSS+AA	-	248x420x400	12
H70-H13	30 / 100	5 / 7	140x145 / 155	1,1	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	248x385x400	12
H70-H22	30 / 100	5 / 7	140x145 / 155	2	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	248x420x400	12
H70-H23	30 / 100	5 / 7	140x145 / 155	2	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	248x385x400	12
H75-D22	30 / 200	5 / 7	140x145 / 155	2	±0,02	Internal	Exist	OTSS+AA	-	248x385x400	12
H75-H22	30 / 200	5 / 7	140x145 / 155	2	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	248x385x400	12
H76-D22	30 / 250	5 / 7	140x145 / 155	2	±0,02	Internal	Exist	OTSS+AA	-	248x385x400	12
H76-H22	30 / 250	5 / 7	140x145 / 155	2	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	248x385x400	12
H200-D22	30 / 100	16 / 20	260x360 / 160	2	±0,02	Internal	Exist	OTSS+AA	-	350x645x425	19
H200-D23	30 / 100	16 / 20	260x360 / 160	2	±0,03	Internal	-	OTSS	-	350x645x425	19
H200-H22	30 / 100	16 / 20	260x360 / 160	2	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	350x645x425	19
H200-H23	30 / 100	16 / 20	260x360 / 160	2	±0,03	Int.+Ext.	-	OTSS	Ø10mm pc	350x645x425	19
H205-D22	30 / 200	16 / 20	260x360 / 160	2	±0,02	Internal	Exist	OTSS+AA	-	355x630x410	19
H205-H22	30 / 200	16 / 20	260x360 / 160	2	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	355x630x410	19
H250-D22	30 / 100	23 / 25	140x145 / 600	2	±0,02	Internal	Exist	OTSS+AA	-	280x380x800	30
H250-H22	30 / 100	23 / 25	140x145 / 600	2	±0,02	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	280x380x800	30
H255-D22	30 / 200	23 / 25	140x145 / 600	2	±0,03	Internal	Exist	OTSS+AA	-	280x380x800	30
H320-D22	30 / 100	26 / 32	350x420 / 160	2	±0,03	Internal	Exist	OTSS+AA	-	440x680x310	31
H320-H22	30 / 100	26 / 32	350x420 / 160	2	±0,03	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	490x650x520	31
H540-D22	30 / 100	48 / 54	350x420 / 270	2	±0,03	Internal	Exist	OTSS+AA	-	445x735x533	34
H540-H22	30 / 100	48 / 54	350x420 / 270	2	±0,03	Int.+Ext.	Exist	OTSS+AA	G1/4 m+Ø10mm pc	445x735x533	34

OTSS: Over Temperature Safety System AA: Acoustic Alarm m: Male pc: Pipe connection

Water Baths, commonly known as Benmaries, are devices designed for maintaining and controlling the temperature of liquids within a specific temperature range, especially used in laboratories and industrial applications.

## Water Baths (Non-circulated)



### Common Features

Display Type	Digital
Display Resolution	0,1°C
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional

OTSS: Over Temperature Safety System AA: Acoustic Alarm

# BFT Series

## Special Purpose Devices



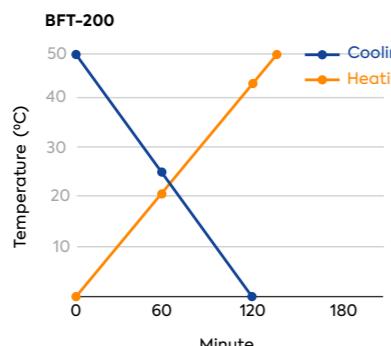
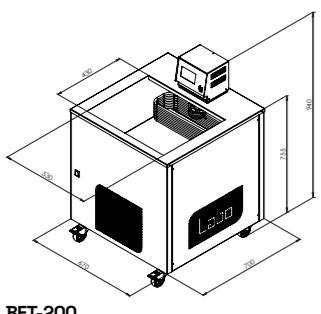
The Labo R&D Team has developed the BFT Series for the beer to be perform Accelerated Stability Tests, also known as Beer Forcing Tests.

The BFT Series devices create a suitable temperature environment for the beer to be artificially aged by changing the temperature between 0°C and 60°C with a 24-hour cycle time and a sensitivity of 0.1°C. Time/Temperature scenario can be saved and executed automatically.

### Common Features

Display Type	Digital
Display Resolution	0,1°C
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Low Liquid Level Alert System	Standart
Power Requirement	220-240 V / 50-60 Hz
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

\*\*To view the pump graph, please browse to page 31



The values are at room temperature.

Product Code	Temp. Range (°C)	Bath Capacity (l) Min-Max	Bath Opening/Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Wheel	Dimensions (mm)	Weight (kg)
BFT-100	-30/100	36/40	350x430/300	2	550	±0,03	Internal	Exist	OTSS+AA	Exist	490x650x900	
BFT-200	-30/100	54/60	530x430/300	2	550	±0,03	Internal	Exist	OTSS+AA	Exist	670x700x940 85 - with basket 95	

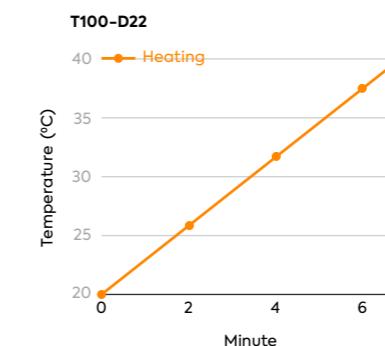
OTSS: Over Temperature Safety System AA: Acoustic Alarm

T Series with a transparent casing that allows the samples to be observed from every angle during their conditioning.

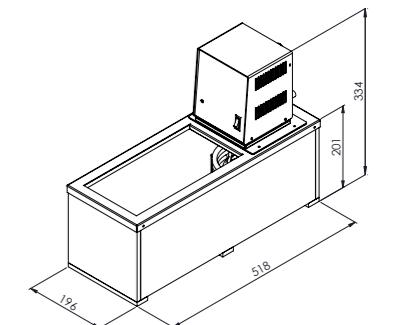
T Series have temperature range between 30°C / 60°C.

# Transparent Bath

## Transparent Heating Circulator



The values are at room temperature.



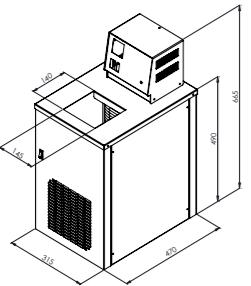
T100-D22

Product Code	Temp. Range (°C)	Bath Capacity (l) Min-Max	Bath Opening/Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Dimensions (mm)	Weight (kg)
T100-D22	30/60	8/10	150x300/170	2	-	±0,02	Internal	Exist	OTSS+AA	196x518x334	16
T300-D22	30/60	25/30	300x450/170	2	-	±0,02	Internal	Exist	OTSS+AA		

OTSS: Over Temperature Safety System AA: Acoustic Alarm

# Chiller Series

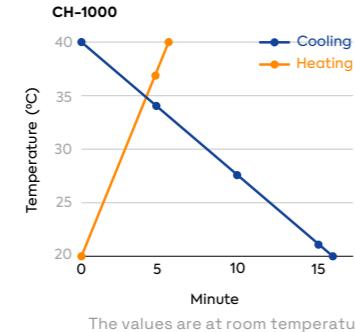
## Special Purpose Devices



CH-1000

### Common Features

Display Type	Digital
Display Resolution	0,1°C
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional



Product Code	Temp. Range(°C)	Cooling Type	Heating Capacity (Watt)	Cooling Capacity (+20 °C) Watt	Tank Volume (l)	Temperature Stability (°C)	Pump Pressure (bar)	Pump Flow (l/min.)	Dimensions (mm)	Weight (kg)
LAC1.5-3.5-POP22	0/+22	Air Cooled	-	1.500	15	±1	3.5	10	530x580x750	72
LAC2.4-3.5-POP22	0/+22	Air Cooled	-	2.400	15	±1,5	3.5	10	530x580x750	82
LAC2.9-4.5-POP22	0/+22	Air Cooled	-	2.900	25	±1,5	4.5	40	580x660x825	105
LAC3.0-4.5-POP22	0/+22	Air Cooled	-	3.000	50	±1,5	4.5	40	590x620x1205	128
LAC5.0-5.5-POP22	0/+22	Air Cooled	-	5.000	100	±1,5	5.5	66	680x730x1520	192
LAC7.0-5.5-POP22	0/+22	Air Cooled	-	7.000	200	±1,5	5.5	66	800x850x1665	246
LAC10.0-5.5-POP22	0/+22	Air Cooled	-	10.000	200	±1,5	5.5	66	800x850x1665	267
LAC18.0-5.6-POP22	0/+22	Air Cooled	-	18.000	250	±1,5	5.6	100	1400x1000x1800	337
LAC35.0-5.6-POP22	0/+22	Air Cooled	-	35.000	250	±1,5	5.6	100	1400x1000x1800	476
LAC38.5-5.6-POP22	0/+22	Air Cooled	-	38.500	250	±1,5	5.6	100	1400x1000x1800	476
LAC2.2-3.5-N20P85	-20/+85	Air Cooled	1.000	2.200	24	±0,5	3.5	10	580x660x820	115
LAC3.5-3.5-N20P85	-20/+85	Air Cooled	1.000	3.500	45	±0,5	3.5	40	590x620x1210	140
LAC9.0-3.7-N20P85	-20/+85	Air Cooled	3.000	9.000	160	±0,5	3.7	70	800x850x1665	275
LAC28.0-4.7-N20P85	-20/+85	Air Cooled	5.500	28.000	245	±0,5	4.7	105	1400x1000x1800	515
LAC42.0-4.7-N20P85	-20/+85	Air Cooled	8.000	42.000	245	±1,5	4.7	105	1400x1000x1800	520
LWC1.5-3.5-POP22	0/+22	Water Cooled	-	1.500	15	±1	3.5	10	530x580x750	72
LWC2.4-3.5-POP22	0/+22	Water Cooled	-	2.400	15	±1,5	3.5	10	530x580x750	82
LWC2.9-4.5-POP22	0/+22	Water Cooled	-	2.900	25	±1,5	4.5	40	580x660x825	105
LWC3.0-4.5-POP22	0/+22	Water Cooled	-	3.000	50	±1,5	4.5	40	590x620x1205	128
LWC5.0-5.5-POP22	0/+22	Water Cooled	-	5.000	100	±1,5	5.5	66	680x730x1520	192
LWC7.0-5.5-POP22	0/+22	Water Cooled	-	7.000	100	±1,5	5.5	66	630x730x1520	246
LWC10.0-5.5-POP22	0/+22	Water Cooled	-	10.000	100	±1,5	5.5	66	630x730x1520	267
LWC18.0-5.6-POP22	0/+22	Water Cooled	-	18.000	200	±1,5	5.6	100	800x850x1665	337
LWC35.0-5.6-POP22	0/+22	Water Cooled	-	35.000	200	±1,5	5.6	100	800x850x1665	476
LWC38.5-5.6-POP22	0/+22	Water Cooled	-	38.500	200	±1,5	5.6	100	800x850x1665	476
CH-300	-20/40	Air Cooled	-	300	4	±0,2	0.6	21	260x407x275	23
CH-1000	-20/40	Air Cooled	2.000	1.000	8	±0,05	0.6	21	320x380x650	39

Chiller equipments which designed for applications that require high cooling capacity, are external circulation featured models. Liquids in baths are sent to different cells and devices with internal liquid circulation pump.

Chiller models have temperature range between -20°C / 85°C.

Labo MG-800 magnetic circulating bath offers various functions due to its extensive range of applications. Magnetic stirrers are placed beneath the bath surface. It has an observation glass that allows monitoring the system that stirs samples within the bath.

# Magnetic Circulating Bath

## Special Purpose Devices



OTSS: Over Temperature Safety System AA: Acoustic Alarm

### Device Features

Temperature Range	30 / 70 °C
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Internal Liquid Circulation	Standart
Bath Tank Material	Stainless Steel
Power Requirement	220-240 V / 50-60 Hz

Battery Charging Baths are specially designed devices that ensure the safe and effective charging of batteries used in industrial and automotive applications. These baths are developed with the aim of achieving optimized performance and extended lifespan for batteries. Proper charging of batteries is crucial to provide a reliable power source in energy storage systems, power supplies, and vehicles.

# Battery Charging Bath

## Special Purpose Devices



OTSS: Over Temperature Safety System AA: Acoustic Alarm

### Device Features

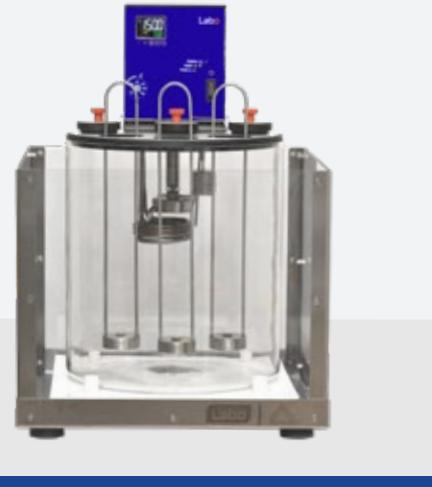
Display Type	Digital
Display Resolution	0,1 °C
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Low Liquid Level Alert System	Standart
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Standart
Suitable battery types	L0, L1, L2 and L3
Adjustable Pump Capacity***	5 - 21 l/min 0,1 - 0,6 bar

\*\*To view the pump graph, please browse to page 31

Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Connections	Wheel	Dimensions (mm)
BC-104	10/70	75/85	550x750/250	2	460	±1,00	Internal	Exist	OTSS+AA	-	Exist	620x720x750

# Viscosity Baths

## Special Purpose Devices

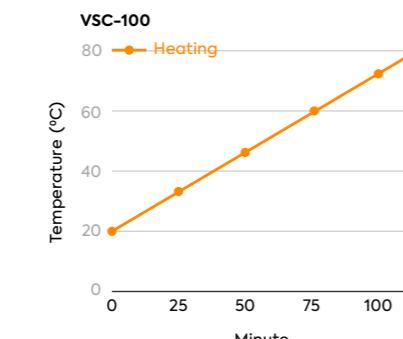
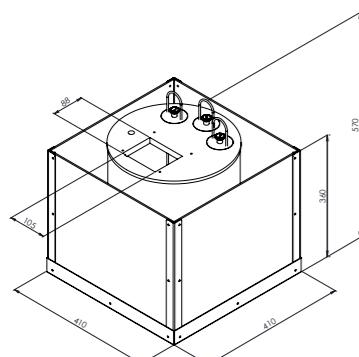


Labo VSC - 100 kinematic viscosity bath which provides appropriate measurements to the standards of ASTM D445 and TS 1451 EN ISO 3104. Measurements can easily be done by watching from lucid glass surface and semi-automatically.

Many U tubes measurement systems like ubbelohde, micro ubbelohde, cannon-fenske, micro -ostwald etc. can be used.

### Common Features

Number of Capillary Tubes	3
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Over Temperature Alert System	Standart
Bath Tank Material	Stainless Steel
Power Requirement	220-240 V / 50-60 Hz



The values are at room temperature.

VSC-100

Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Dimensions (mm)	Weight (kg)
VSC-100	30/150*	22/25	ø52/320	2	±0,02	Internal	Exist	OTSS+AA	410x410x570	17
VSC-200	30/200*	22/25	ø52/320	2	±0,02	Internal	Exist	OTSS+AA	410x410x570	17

OTSS: Over Temperature Safety System AA: Acoustic Alarm

\*VSC models can operate at temperatures as low as +10°C if an optional Cooling Coil accessory and Refrigerated Circulator are also ordered. Ex: +10/+150°C for VSC100.

Pour Point expresses the lowest temperature which the sample keeps its liquidity while cooled under the certain standards. Pour Point devices are used generally in labs which analyses oil products (naphta – biodiesel) while testing samples whether they are appropriate to the standards or not. The devices are delivered with; air jacket (suitable for ASTM D97), test tube (glass), and ASTM 5C thermometer

Naphta – Fuel Oil – Fuel Biodiesel – Auto Biodiesel – Ship Fuels – Diesel → Manual measurement can be done with ASTM glass thermometer optionally.

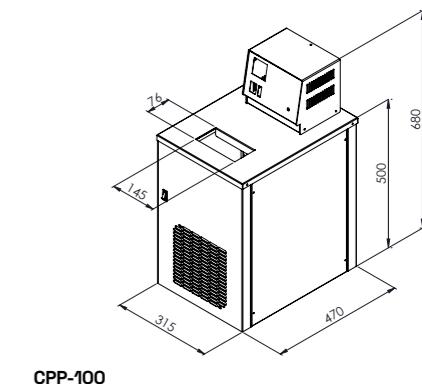
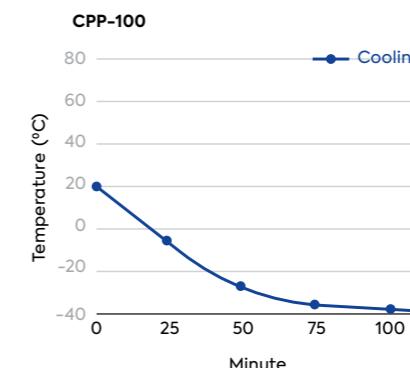
Designed to work silently in Laboratories ASTM D97 / ASTM D2500 / ASTM D5853 / DIN 51428 / DIN 51597 / IP 15 / IP 219 / IP 309 - TS 1233 ISO 3016 / ISO 3015

### Common Features

Display Type	Digital
Display Resolution	0,1°C (0,01°C optional)
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Power Requirement	220-240 V / 50-60 Hz

# Cloud Point and Pour Point Test Baths

## Special Purpose Devices



Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Capacity(kW)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Over Temp. Safety System	Sample Quantity	Wheel	Dimensions (mm)	Weight (kg)
CPP-100	-40/100	6/8	1,1	470	±0,1	Internal	OTSS	2	-	315x470x680	39	
CPP-100-3	-40/100	6/8	3x1,1	3x470	±0,1	Internal	OTSS	6	-	315x470x680*	39	
CPP-105	-40/100	6/8	1,1	470	±0,1	Internal	OTSS	4	-	315x470x680	39	
CPP-105-3	-40/100	6/8	3x1,1	3x470	±0,1	Internal	OTSS	12	-	315x470x680*	39	
CPP-300	-40/100	15/18	None	3x470	±0,1	Internal	OTSS	12	Exist	1000x400x1000	120	
CPP-600	-60/100	6/8	2	530	±0,1	Internal	OTSS	12	Exist	490x690x900	90	
CPP-700	-70/100	6/8	2	530	±0,1	Internal	OTSS	2	Exist	490x690x900	90	

OTSS: Over Temperature Safety System AA: Acoustic Alarm

\* These dimensions are provided for a single device, and a total of 3 devices will be positioned side by side on the table

# Charpy Cooling Baths

## Special Purpose Devices

## Cold Trap

### Special Purpose Devices

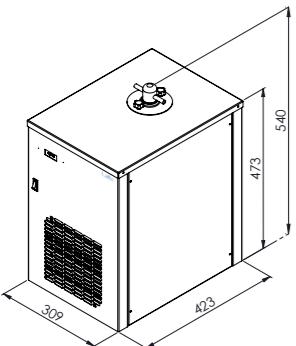


Its primary purpose is to capture or remove gases or evaporable substances by condensing them into a liquid state. The working principle of cold traps involves the cooling agent inside, enabling the gases or evaporable substances to condense into a liquid state due to the low temperature. This condensation occurs as a result of the cooling and condensation of gas molecules that come into contact with the cooling agent inside the trap. Thus, the liquefied gases or substances remain within the trap and are removed without causing damage to the vacuum system's pump.

Cold Trap has temperature range between -80 °C / 20 °C.

#### Common Features

Display Type	Digital
Display Resolution	1°C
Temperature Control System	On/Off
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Power Requirement	220-240 V / 50-60 Hz

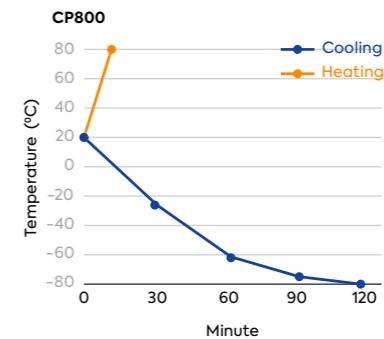


Labo Charpy Cooling Baths are devices designed to prepare samples for Charpy tests at a constant temperature. The stainless sample basket has a capacity to carry 100 samples. The special Charpy sample tong attachment, provided as a standart with the device, allows for placing the samples onto the Charpy impact device without touching them.

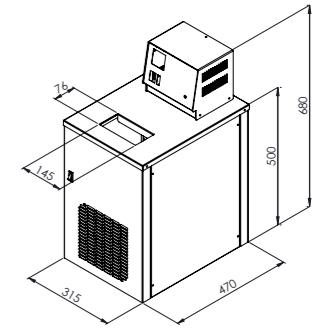
#### Common Features

Display Type	Digital
Display Resolution	0,1°C (0,01°C optional)
Temperature Control System	New Generation PID
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Power Requirement	220-240 V / 50-60 Hz
Adjustable Pump Capacity**	5 - 21l/min 0,1 - 0,6 bar

\*\*To view the pump graph, please browse to page 31



The values are at room temperature.



Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth(mm)	Temperature Stability (°C)	Circulation Type	Cooling Capacity (watt) @20°C	Dimensions (mm)	Weight (kg)
CT-400	-40/20	8	035/160*	±1	-	490	315x470x540	36
CT-800	-80/20	8	035/160*	±1	-	670	490x690x730	87

\*There is 1 Glass Cold Trap slot as standard. Optionally, a maximum of 8 pieces can be selected.

Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Over Temp. Safety System	Wheel	Dimensions (mm)	Weight (kg)
CP-400	-40/100	7/9	140x145/160	1,1	470	±0,05	Internal	OTSS	-	315x470x680	39
CP-402	-40/100	19/22	260x360/200	2	410	±0,05	Internal	OTSS	-	490x690x900	66
CP-650	-65/100	6/8	140x145/160	2	610	±0,05	Internal	OTSS	Exist	490x690x900	90
CP-702	-70/100	17/20	190x360/200	2	670	±0,05	Internal	OTSS	Exist	490x690x960	90
CP-800	-80/100	6/8	140x145/160	2	670	±0,05	Internal	OTSS	Exist	490x690x900	90

OTSS: Over Temperature Safety System AA: Acoustic Alarm

## Calibration Baths

### Special Purpose Devices



#### Common Features

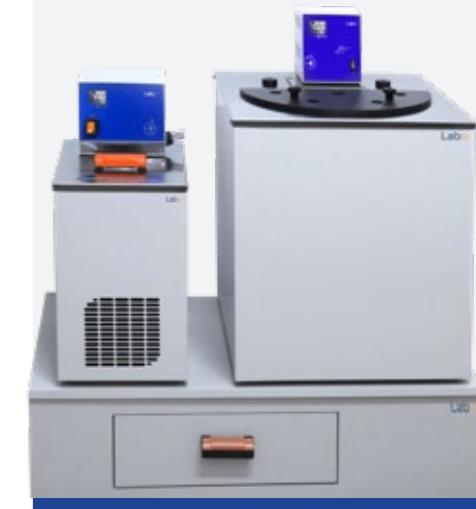
Display Type	Digital
Display Resolution	0,01 °C (Optional for CAL-models)
Temperature Check System	PT-100 (0,01 °C precision)
Over Temp. Alert System	Standart
Bath Tank Material	Stainless Steel
Easy Liquid Drain System	Standart
Low Liquid Level Alert System	Standart for CAL models
Power Requirement	220-240 V / 50-60 Hz
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

\*\*To view the pump graph, please browse to page 31

Water Triple Point devices provide the temperature and pressure at which the three phases (gas, liquid, and solid) of a substance coexist in thermodynamic equilibrium. This is the temperature and pressure at which the vaporization, melting, and sublimation curves intersect.

WTP Series have temperature range between -5 °C / 50 °C.

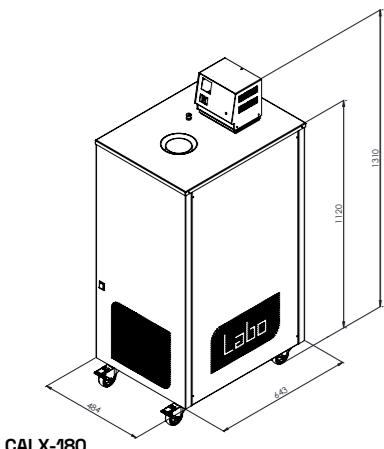
### Special Purpose Devices



#### Device Features

Display Type	Digital
Display Resolution	0,01°C
Temperature Control System	New Generation PID
Bath Tank Material	Stainless Steel
Power Requirement	220-240 V / 50-60 Hz
RS485 Communication Interface	Optional
Adjustable Pump Capacity**	5 - 21 l/min 0,1 - 0,6 bar

\*To view the pump graph, please browse to page 31

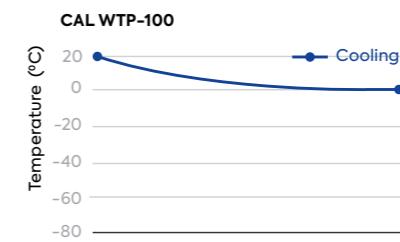


Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Wheel	Dimensions (mm)	Weight (kg)
CAL-140	-40/100	7/9	130x170/160	2	490	±0,01	Internal	Exist	OTSS+AA	-	315x470x680	39
CAL-141	-40/100	12/14	ø150/250	2	490	±0,01	Internal	Exist	OTSS+AA	-	315x470x770	41
CAL-160	-60/100	7/9	140x145/160	2	450	±0,01	Internal	-	OTSS	Exist	490x690x910	90
CAL-180	-80/100	7/9	140x145/160	2	520	±0,01	Internal	-	OTSS	Exist	490x690x900	90
CAL-60	30/200	7/9	130x170/200	2	-	±0,01	Internal	Exist	OTSS+AA	-	315x455x455	14
CALX-100	0/100	8/9	ø100/500	2	350	±0,01	Internal	-	OTSS	Exist	455x540x1275	60
CALX-140	-40/100	8/9	ø100/500	2	400	±0,01	Internal	-	OTSS	Exist	455x540x1250	64
CALX-180	-80/100	8/9	ø100/500	2	520	±0,01	Internal	-	OTSS	Exist	484X643X1310	100
CALX-60	30/250	8/9	ø100/500	2	-	±0,01	Internal	-	OTSS	Exist	455x540x1275	46

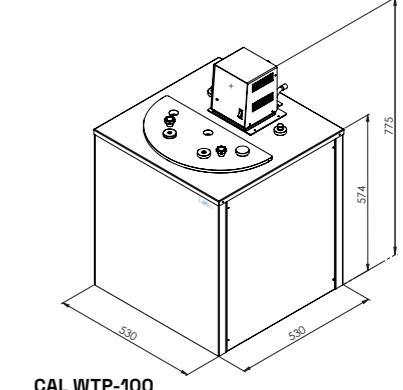
OTSS: Over Temperature Safety System AA: Acoustic Alarm

Product Code	Temp. Range (°C)	Bath Capacity(l) Min-Max	Bath Opening/ Depth (mm)	Heating Capacity (kW)	Cooling Capacity (watt) @20°C	Temperature Stability (°C)	Circulation Type	Low Liquid Level Warning System	Over Temp. Safety System	Connections	Wheel	Dimensions (mm)
CAL WTP-100	-5/50	70/75	ø65/445	1,1	250	±0,01	Internal	Exist	OTSS+AA	Ø10mm pc	Exist	530x530x775

OTSS: Over Temperature Safety System AA: Acoustic Alarm pc: Pipe connection



The values are at room temperature.



Labo Cooling circulator and the wheeled/cabinet table are included in the system.

# Accessories

Discover accessories specially designed for your Labo that enhance your conditioning experiences.



## Stable Temperature Jackets (Glass or Stainless Steel)

Labo stable temperature jackets are practical application tool which is used to stable the temperature of samples or sample glasses. These jackets which are used with cooled and heated circulators, are made of glass or stainless steel and have liquid capacity between 250 ml and 10000 ml. They provide to mix the samples homogenous depends on your demand by locating on magnetic stirrers and putting magnetic stirring bars in it. Changes of sample can be always observed because of its pearly structure.

**Method of Applying:**  
Liquid is sent to the Labo stable temperature jacket by silicone tube from digital controlled Labo circulators' external circulation exit. The liquid which entered from the bottom part exits from the exit pipe which is on the top point by compassing in the jacket and comes back to the water bath by silicone tube. Labo circulators have digital control panel and demanded temperature can be easily arrange to 0,1 °C sensitively.



## Anti Evaporation Balls

While working in water baths, vaporization is decreased at 80% by fulling surface of the water with balls. Balls swim on the liquid and cover the surface like a sealed tap. Produced of polypropylene material and used till to 100 °C.

### Advantages

- Avoids to evaporation up to 80%
- Decreases energy consumption because it provides isolation on the liquid
- Decreases odour constitution
- Prevents water equipments come to harm because of liquid diminish



## Lead Rings (Covered Soft PVC)

It is used to prevent floating or falling of materials such as erlenmeyer flask and round bottom flask which located in the bath. These accessories which provides very practical usage, can be used as superpose. Thereby weight will be increased.

Labo Lead Rings are very important helper at cooling – heating – stable temperature works by locating erlenmayer flask and round bottom flasks which has little sample inside in the bath.



## Tubing Connector

In some cases which Labo circulators are used with different connection to other devices and cells, different tubings with different worths can be connect with each other. In these cases, tubing connector accessorize provides huge facility.

Tubing which are 5 and 17 mm inner diameter can be connect to each other with this accessorize. The total length of accessorize is 110 mm.



## Charpy Sample Tongs

The charpy sample tongs have very low temperature transmission . It is used to settle the samples in to the bath and then settle in to the testing system.

It is important to cooling charpy samples between at -40 °C and -80 °C temperature in the bath and taking to impact test in a short time and untouched. Thereby the results are stable and testing will be done without changing the temperature of sample.



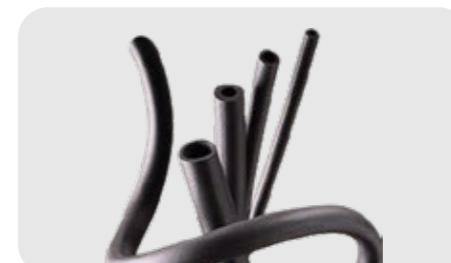
## Silicone Oil

Silicone oil which is used as bath liquid between at 30 / 200 °C, is appropriate to use in many works by sending liquid in the bath and out of the bath. This liquid which is harmless to the environment and human health, gives perfect stable and homogen measurement solutions by its low viscosity feature.



## Silicon Tubing

It is appropriate to use in Labo baths which has external circulation feature. Silicone tubing which is used for connection of sending liquid from water baths to different devices and sample cells, provides easy and flexible assembling.



## Viton Tubing

It is appropriate to use in Labo baths which has external circulation feature. Viton tubing which is used for connection of sending liquid from water baths to different devices and sample cells, provides easy and flexible assembling.



## Bath Liquid for Low Temperatures

Bath liquid for low temperatures which is used as bath liquid between at -90 / +100 °C, is appropriate to use in many works by sending liquid in the bath and out of the bath. This liquid which is harmless to the environment and human health gives perfect stable and homogenous measurement solutions by its low viscosity feature.



### Height Adjustable Rack

The height adjustable rack accessories which allow the samples to be placed easily and without tipping over in the tank.

It can easily be adjusted within 5 seconds without the need for mounting equipment like screws.



### LaboTEMP - Temperature Control Software

- Instantaneous measurement values
- Time-Temperature and Ramp control
- Ability to save, export and print results in excel format
- Graphical data analysis on instant measurements and recorded documents
- Record and recall temperature-time program



### Flow Indicator

It can be hard to observe liquid inflow by using circulators' external circulation system. To watch liquid inflow in the work Inflow Indicator wrapped between external tubing easily and fastly.



### Calibration Certificate

It is the calibration certificate for Labo Baths which certified by TurkAk (Turkish Accreditation Agency) laboratory.



### Tubing Isolation

It is used for isolation of external circulation tubing. Provides amendment at temperature stabilise of liquid in tubing. Also avoids heat dissipation and transpiration at the time of cool liquid transfer.



### Tubing Clamp

It is used at the connect points of tubing to avoid water wangles and fall away of tubing. The diameter of tubing clamp min: 12 mm - max: 17 mm



**40+ years,  
2000+ happy client.**

**Labo**

Product Code	Product Group	Product Sub-Group	Working Temperature		Bath Capacity(l)		Bath Tank Material	Bath Opening Cover(mm)	Bath Depth (mm)	Heating Capacity (kW)	Cooling Capacity (°C)						Temperature Stability	Circulation Type	Low Liquid Level Warning System	Over Temperature Safety System	Pump Capacity (l/min.)	Pump Capacity (bar)	Connections	Wheel	Dimensions (mm)	Net Weight (kg)	Gross Weight (kg)	HS Code	Package Dimensions (mm)	Power Requirements
			Min	Max	Min	Max					+20	0	-20	-40	-60	-80														
B100-D22	Circulator	Cooling and Heating Circulator	-10	100	16	20	Stainless Steel	260x360	160	2	310	210	-	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B100-D23	Circulator	Cooling and Heating Circulator	-10	100	16	20	Stainless Steel	260x360	160	2	310	210	-	-	-	-	±0,03	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B100-H22	Circulator	Cooling and Heating Circulator	-10	100	16	20	Stainless Steel	260x360	160	2	310	210	50	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B100-H23	Circulator	Cooling and Heating Circulator	-10	100	16	20	Stainless Steel	260x360	160	2	310	210	50	-	-	-	±0,03	Int+Ext	-	OTSS	5 - 21	0,1 - 0,6	Ø10mm pc	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B105-D22	Circulator	Cooling and Heating Circulator	-10	200	16	20	Stainless Steel	260x360	160	2	420	280	-	-	-	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B250-D23	Circulator	Cooling and Heating Circulator	-25	100	16	20	Stainless Steel	260x360	160	2	420	290	80	-	-	-	±0,03	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B250-H22	Circulator	Cooling and Heating Circulator	-25	100	16	20	Stainless Steel	260x360	160	2	420	290	80	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B250-H23	Circulator	Cooling and Heating Circulator	-25	100	16	20	Stainless Steel	260x360	160	2	420	290	80	-	-	-	±0,03	Int+Ext	-	OTSS	5 - 21	0,1 - 0,6	Ø10mm pc	-	385X630X660	44	55	84198990	510x770x780	220-240V / 50-60 Hz
B305-H22	Circulator	Cooling and Heating Circulator	-30	200	16	20	Stainless Steel	260x360	160	2	420	300	90	-	-	-	±0,05	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	340x570x610	44	55	84198990	510x770x780	220-240V / 50-60 Hz
BC-104	Special Purpose Devices	Battery Charge Bath (Refrigerated and Heating)	10	70	75	85	Stainless Steel	550x750	250	2	460	-	-	-	-	-	±1,00	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	620x720x750			84198990		220-240V / 50-60 Hz
BFT-100	Special Purpose Devices	Beer Forcing Test Bath	-30	100	54	60	Stainless Steel	350x420	300	2	550	360	130	-	-	-	±0,03	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x650x900			84198990		220-240V / 50-60 Hz
BFT-200	Special Purpose Devices	Beer Forcing Test Bath	-30	100	54	60	Stainless Steel	530x420	300	2	550	360	130	-	-	-	±0,03	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	670x700x940	85 - with basket 95		84198990		220-240V / 50-60 Hz
BMS-200	Water Bath	Water Bath	30	100	10	21	Stainless Steel	500x300	150	1,5	-	-	-	-	-	-	±0,2	None Circulation	-	OTSS	-	-	-	-	665x415x220	13	15	84198990	470x720x320	220-240V / 50-60 Hz
BMS-90	Water Bath	Water Bath	30	100	5	10	Stainless Steel	240x300	150	0,7	-	-	-	-	-	-	±0,2	None Circulation	-	OTSS	-	-	-	-	500x305x190	8	11	84198990	410x510x310	220-240V / 50-60 Hz
BX100-D22	Circulator	Cooling and Heating Circulator	-10	100	48	54	Stainless Steel	350x420	270	2	430	240	-	-	-	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x690x910	60	110	84198990	830x640x1100	220-240V / 50-60 Hz
BX100-H22	Circulator	Cooling and Heating Circulator	-10	100	48	54	Stainless Steel	350x420	270	2	430	240	-	-	-	-	±0,05	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	Exist	490x690x910	60	110	84198990	830x640x1100	220-240V / 50-60 Hz
BX107-D22	Circulator	Cooling and Heating Circulator	-10	100	26	32	Stainless Steel	350x420	160	2	430	240	-	-	-	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x690x910	60	110	84198990	830x640x1100	220-240V / 50-60 Hz
BX107-H22	Circulator	Cooling and Heating Circulator	-10	100	26	32	Stainless Steel	350x420	160	2	430	240	-	-	-	-	±0,05	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	Exist	490x690x910	60	110	84198990	830x640x1100	220-240V / 50-60 Hz
BX200-D22	Circulator	Cooling and Heating Circulator	-20	100	48	54	Stainless Steel	350x420	270	2	480	260	50	-	-	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x690x910	62	112	84198990	830x640x1100	220-240V / 50-60 Hz
BX350-D22	Circulator	Cooling and Heating Circulator	-35	100	48	54	Stainless Steel	350x420	270	2	510	400	160	-	-	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x690x910	66	120	84198990	830x640x1100	220-240V / 50-60 Hz
BX400-D22	Circulator	Cooling and Heating Circulator	-40	100	48	54	Stainless Steel	350x420	270	2	530	410	170	50	-	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x690x910	66	120	84198990	830x640x1100	220-240V / 50-60 Hz
BX405-D22	Circulator	Cooling and Heating Circulator	-40	100	34	40	Stainless Steel	350x420	200	2	500	400	160	40	-	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x690x910	66	120	84198990	830x640x1100	220-240V / 50-60 Hz
BX600-D22	Circulator	Cooling and Heating Circulator	-60	100	48	54	Stainless Steel	350x420	270	2	480	390	380	300	200	-	±0,05	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	630x750x1010	66	120	84198990	830x640x1100	220-240V / 50-60 Hz
BX605-D22	Circulator	Cooling and Heating Circulator	-60	100	34	40	Stainless Steel	350x4																						

Product Code	Product Group	Product Sub-Group	Working Temperature Min	Working Temperature Max	Bath Capacity (l) Min	Bath Capacity (l) Max	Bath Tank Material	Bath Opening Cover (mm)	Bath Depth (mm)	Heating Capacity (kW)	+20	0	-20	-40	-60	-80	Temperature Stability	Circulation Type	Low Liquid Level Warning System	Over Temperature Safety System	Pump Capacity (l/min.)	(bar)	Connections	Wheel	Dimensions (mm)	Net Weight (kg)	Gross Weight (kg)	HS Code	Package Dimensions (mm)	Power Requirements
CAL-60	Special Purpose Devices	Heating Calibration Bath	30	200	7	9	Stainless Steel	130x170	200	2	-	-	-	-	-	-	±0,01	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x455x455	14	18	84198990	400x570x650	220-240V / 50-60 Hz
CALX-100	Special Purpose Devices	Cooling and Heating Calibration Bath	0	100	8	9	Stainless Steel	ø100	500	2	350	200	-	-	-	-	±0,01	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	455x540x1275	60	130	84198990	540x640x1400	220-240V / 50-60 Hz
CALX-140	Special Purpose Devices	Cooling and Heating Calibration Bath	-40	100	8	9	Stainless Steel	ø100	500	2	400	330	210	40	-	-	±0,01	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	455x540x1250	64	135	84198990	540x640x1400	220-240V / 50-60 Hz
CALX-180	Special Purpose Devices	Cooling and Heating Calibration Bath	-80	100	8	9	Stainless Steel	ø100	500	2	520	430	410	340	260	50	±0,01	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	484x643x1310	100	150	84198990	540x640x1400	220-240V / 50-60 Hz
CALX-60	Special Purpose Devices	Heating Calibration Bath	30	250	8	9	Stainless Steel	ø100	500	2	-	-	-	-	-	-	±0,01	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	455x540x1275	46	115	84198990	540x640x1400	220-240V / 50-60 Hz
CH-1000	Special Purpose Devices	Cooling Chiller	-20	40	6	8	Stainless Steel	140x145	160	2	1000	610	110	-	-	-	±0,05	Int+Ext	-	OTSS	5 - 21	0,1 - 0,6	Ø10mm pc	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
CP-400	Special Purpose Devices	Charpy Cooling Bath and DWT Sample Bath	-40	100	7	9	Stainless Steel	140x145	160	1,1	470	390	270	50	-	-	±0,05	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
CP-402	Special Purpose Devices	Charpy Cooling Bath and DWT Sample Bath	-40	100	19	22	Stainless Steel	260x360	200	2	410	340	220	40	-	-	±0,05	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	490x690x900	66	120	84198990	830x640x1100	220-240V / 50-60 Hz
CP-650	Special Purpose Devices	Charpy Cooling Bath and DWT Sample Bath	-65	100	6	8	Stainless Steel	140x145	160	2	610	470	430	340	210	-	±0,05	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	490x690x900	90	130	84198990	830x640x1100	220-240V / 50-60 Hz
CP-702	Special Purpose Devices	Charpy Cooling Bath and DWT Sample Bath	-70	100	19	22	Stainless Steel	190x360	200	2	670	550	510	410	300	-	±0,05	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	490x690x960	90	130	84198990	830x640x1100	220-240V / 50-60 Hz
CP-800	Special Purpose Devices	Charpy Cooling Bath and DWT Sample Bath	-80	100	6	8	Stainless Steel	140x145	160	2	670	550	510	410	300	60	±0,05	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	490x690x900	90	130	84198990	830x640x1100	220-240V / 50-60 Hz
CPP-100	Special Purpose Devices	Pour Point Cloud Point Test Device	-40	100	6	8	Stainless Steel	-	-	1,1	470	390	270	50	-	-	±0,1	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
CPP-100-3	Special Purpose Devices	Pour Point Cloud Point Test Device	-40	100	6	8	Stainless Steel	-	-	3x1,1	3x470	390	270	50	-	-	±0,1	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
CPP-105	Special Purpose Devices	Pour Point Cloud Point Test Device	-40	100	6	8	Stainless Steel	-	-	1,1	470	390	270	50	-	-	±0,1	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
CPP-105-3	Special Purpose Devices	Pour Point Cloud Point Test Device	-40	100	6	8	Stainless Steel	-	-	3x1,1	3x470	390	270	50	-	-	±0,1	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
CPP-300	Special Purpose Devices	Pour Point Cloud Point Test Device	-40	-	15	18	Stainless Steel	-	-	None	3x470	390	270	50	-	-	±0,1	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	1000x400x1000	120	150	84198990	1100x450x1100	220-240V / 50-60 Hz
CPP-600	Special Purpose Devices	Pour Point Cloud Point Test Device	-60	100	6	8	Stainless Steel	-	-	2	530	440	420	340	250	-	±0,1	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	490x690x900	90	130	84198990	830x640x1100	220-240V / 50-60 Hz
CPP-700	Special Purpose Devices	Pour Point Cloud Point Test Device	-70	100	6	8	Stainless Steel	-	-	2	530	440	420	340	250	-	±0,1	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	Exist	490x690x900	90	130	84198990	830x640x1100	220-240V / 50-60 Hz
H200-D22	Circulator	Heating Circulator	30	100	16	20	Stainless Steel	260x360	160	2	-	-	-	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	350x645x425	19	25	84198990	440x720x420	220-240V / 50-60 Hz
H200-D23	Circulator	Heating Circulator	30	100	16	20	Stainless Steel	260x360	160	2	-	-	-	-	-	-	±0,03	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	350x645x425	19	25	84198990	440x720x420	220-240V / 50-60 Hz
H200-H22	Circulator	Heating Circulator	30	100	16	20	Stainless Steel	260x360	160	2	-	-	-	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	350x645x425	19	25	84198990	440x720x420	220-240V / 50-60 Hz
H200-H23	Circulator	Heating Circulator	30	100	16	20	Stainless Steel	260x360	160	2	-	-	-	-	-	-	±0,03	Int+Ext	-	OTSS	5 - 21	0,1 - 0,6	Ø10mm pc	-	350x645x425	19	25	84198990	440x720x420	220-240V / 50-60 Hz
H205-D22	Circulator	Heating Circulator	30	200	16	20	Stainless Steel	260x360	160	2	-	-	-	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	Yok	-	355x630x410	19	25	84198990	440x720x420	220-240V / 50-60 Hz
H205-H22	Circulator	Heating Circulator	30	200	16	20	Stainless Steel	260x360	160	2	-	-	-	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	355x630x410	19	25	84198990	440x720x420	220-240V / 50-60 Hz
H250-D22	Circulator	Heating Circulator	30	100	23	25	Stainless Steel	140x145	600	2	-	-	-	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	Yok	-	280x380x800	30	36	84198990	370x440x880	220-240V / 50-60 Hz
H250-H22	Circulator	Heating Circulator	30	100	23	25	Stainless Steel	140x145	600	2	-	-	-	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6								

Product Code	Product Group	Product Sub-Group	Working Temperature		Bath Capacity (l)		Bath Tank Material	Bath Opening Cover (mm)	Bath Depth (mm)	Heating Capacity (kW)	+20	0	-20	-40	-60	-80	Stability	Circulation Type	Low Liquid Level Warning System	Over Temperature Safety System	Pump Capacity (l/min.)	(bar)	Connections	Wheel	Dimensions (mm)	Net Weight (kg)	Gross Weight (kg)	HS Code	Package Dimensions (mm)	Power Requirements
			Min	Max	Min	Max																								
P200-D22	Circulator	Cooling and Heating Circulator	-20	100	7	9	Stainless Steel	130x170	160	2	270	220	60	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x650	36	42	84198990	390x500x750	220-240V / 50-60 Hz
P200-H22	Circulator	Cooling and Heating Circulator	-20	100	7	9	Stainless Steel	130x170	160	2	270	220	60	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x650	36	42	84198990	390x500x750	220-240V / 50-60 Hz
P300-D22	Circulator	Cooling and Heating Circulator	-30	100	7	9	Stainless Steel	130x170	160	2	320	250	150	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x650	38	44	84198990	390x500x750	220-240V / 50-60 Hz
P300-H22	Circulator	Cooling and Heating Circulator	-30	100	7	9	Stainless Steel	130x170	160	2	320	250	150	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x650	38	44	84198990	390x500x750	220-240V / 50-60 Hz
P400-D22	Circulator	Cooling and Heating Circulator	-40	100	7	9	Stainless Steel	130x170	160	2	490	410	290	50	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
P400-H22	Circulator	Cooling and Heating Circulator	-40	100	7	9	Stainless Steel	130x170	160	2	490	410	290	50	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
P600-D22	Circulator	Cooling and Heating Circulator	-60	100	7	9	Stainless Steel	140x145	160	2	650	530	480	390	270	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	Exist	490x690x910	90	130	84198990	830x640x1100	220-240V / 50-60 Hz
P600-H22	Circulator	Cooling and Heating Circulator	-60	100	7	9	Stainless Steel	140x145	160	2	650	530	480	390	270	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	Exist	490x690x910	90	130	84198990	830x640x1100	220-240V / 50-60 Hz
PH200-D22	Circulator	Cooling and Heating Circulator	-20	200	7	9	Stainless Steel	130x170	160	2	270	220	60	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PH200-H22	Circulator	Cooling and Heating Circulator	-20	200	7	9	Stainless Steel	130x170	160	2	270	220	60	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PH300-D22	Circulator	Cooling and Heating Circulator	-30	200	7	9	Stainless Steel	130x170	160	2	320	250	150	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PH300-H22	Circulator	Cooling and Heating Circulator	-30	200	7	9	Stainless Steel	130x170	160	2	320	250	150	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PH400-D22	Circulator	Cooling and Heating Circulator	-40	200	7	9	Stainless Steel	130x170	160	2	490	410	290	50	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
PH400-H22	Circulator	Cooling and Heating Circulator	-40	200	7	9	Stainless Steel	130x170	160	2	490	410	290	50	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
PH600-D22	Circulator	Cooling and Heating Circulator	-60	200	7	9	Stainless Steel	140x145	160	2	650	530	480	390	270	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	Exist	490x690x910	95	135	84198990	830x640x1100	220-240V / 50-60 Hz
PL200-D22	Circulator	Cooling and Heating Circulator	-20	150	7	9	Stainless Steel	130x170	160	2	270	220	60	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PL200-H22	Circulator	Cooling and Heating Circulator	-20	150	7	9	Stainless Steel	130x170	160	2	270	220	60	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PL300-D22	Circulator	Cooling and Heating Circulator	-30	150	7	9	Stainless Steel	130x170	160	2	320	250	150	-	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PL300-H22	Circulator	Cooling and Heating Circulator	-30	150	7	9	Stainless Steel	130x170	160	2	320	250	150	-	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x650	38	45	84198990	390x500x750	220-240V / 50-60 Hz
PL400-D22	Circulator	Cooling and Heating Circulator	-40	150	7	9	Stainless Steel	130x170	160	2	490	410	290	50	-	-	±0,02	Internal	Exist	OTSS + AA	5 - 21	0,1 - 0,6	-	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
PL400-H22	Circulator	Cooling and Heating Circulator	-40	150	7	9	Stainless Steel	130x170	160	2	490	410	290	50	-	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	-	315x470x680	39	45	84198990	390x500x750	220-240V / 50-60 Hz
PL600-H22	Circulator	Cooling and Heating Circulator	-60	150	7	9	Stainless Steel	140x145	160	2	650	530	480	390	270	-	±0,02	Int+Ext	Exist	OTSS + AA	5 - 21	0,1 - 0,6	G1/4 m + Ø10mm pc	Exist	490x690x910	95	135	84198990	830x640x1100	220-240V / 50-60 Hz
S100-D23	Circulator	Cooling and Heating Circulator	-10	100	16	20	Stainless Steel	260x360	160	2	310	210	-	-	-	±0,05	Internal	-	OTSS	5 - 21	0,1 - 0,6	-	-	770x630x785	44	84198990	550x500x550	220-240V / 50-60 Hz</		

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