

THE CATALOG 2025



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The Temperature Control Expert

-80°C...350°C

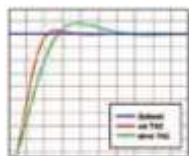
Dynamic Combined Circulators

Descriptions

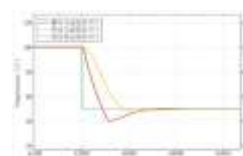
DCC models consist of expand vessel, cooling system, heating system and circulating system, the circulating fluid is isolated by expand vessel, the thermal fluid keep normal temperature even if the circulating fluid is heated up to high temperature or cooled down to low temperature, resulting in fluid longer life time because of no oxidation, and also there is no unpleasant oil smell because circulating thermal fluid is closed by expansion vessel. Compared with heating -refrigerating bath circulators, less circulating fluid results in rapid heating up time and cooling down time at the same condition of heating capacity and cooling capacity.



Colorful TFT display, easy operation and read, 0.001 display solution, set temperature, actual temperature, liquid level status, heating ,cooling, pump speed are displayed on screen,



True adaptive control(TAC):Control parameter (K_p, K_i, K_d) automatically adjusted for an ideal temperature control stability



Cascade temperature control : Customer may modify control parameter (K_p, K_i, K_d) manually during external temperature model for an ideal temperature stability



TAC control, proportional cooling , CIT control,Cascade temperature control technology ensure highly repeatable temperature control results



Proportional cooling : Adjusting cooling capacity between 0% and 100% according to needs, this results in energe saving and better temperature stability



Temperature difference control: it allows customer set the biggest temperature difference between internal and external application , this helps external devices be protected from being broken caused by rapid temperature changes.



CIT technology: Cooling in time makes cooling system activated at any working temperature, this results in time saving compared with nature environment cooling and also results in better temperature control stability



Program control: optional multi-stage program controller helps customer realize program control and slope control within the range of heating and cooling rate such as timed heating, cooling, constant temperature control.



Five-level safety protection : low and high liquid level, adjustable hardware over-temperature protection, software over-temperature protection, pump overload and by-pass protection, international seal safety, suitable for flammable liquid;



Software: "LabTemp" software available for PC monitoring and data recording;
Interfaces: Available RS485 interface, external pt100 interface, 4-20mA analog input interface

Dynamic Combined Circulators

Heating series: RT...300°C



Key features

- TFT 4.3 inch and bright display, easy operation and read, 0.1/0.01/0.001 display resolution available, more information are displayed on screen;
- Heating function combined with water cooling also results in room temperature control or lower than room temperature control application
- Water saved PID control via water inlet valve, controller adjusts valve on-off state to save external water
- CIT technology activates cooling water valve even high temperature up to 300°C.
- True adaptive control(TAC), proportional cooling, cooling in time(CIT), Cascade temperature control technology ensure highly repeatable internal and external temperature control results
- Five-level safety protection: low and high liquid level, adjustable hardware over-temperature protection, software over-temperature protection, pump overload and by-pass protection, international seal safety, suitable for flammable liquid;

More benefits [extra cost]

- Software “LabTemp” available for PC terminal monitoring and data recording;
- Optional external temperature control sensor PT100 for external applications
- Optional program control: multi-stage program controller helps customer realize program control and slope control within the range of heating and cooling rate such as timed heating, cooling, constant temperature control.
- Optional analog input and output: 0-10V or 4-20mA
- Optional on-off signal input and output: providing alarm signal to external devices or receiving external devices status changes

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Max. Pressure [bar]	Pump Max. Flow rate [L/min]	Dimensions WxDxH[mm]
DCC06HH3	RT...200	±0.3	3000	Water cooling	1.8	22	350x530x630
DCC14HH6	RT...200	±0.3	6000	Water cooling	1.5	30	410X550X780
DCC55HH9	RT...200	±0.1	9000	Water cooling	3.8	56	560X650X1300
DCC75HH12	RT...200	±0.1	12000	Water cooling	3.8	56	585X1100X1350
DCC75HH25	RT...200	±0.1	25000	Water cooling	5.5	110	585X1100X1350
DCC06HU3	RT...300	±0.3	3000	Water cooling	3.0	30	350x530x630
DCC08HU6	RT...300	±0.3	6000	Water cooling	3.0	30	410X550X780
DCC55HU9	RT...300	±0.1	9000	Water cooling	6.0	60	560X650X1300
DCC75HU12	RT...300	±0.1	12000	Water cooling	6.0	60	585X1100X1350
DCC75HU25	RT...300	±0.1	25000	Water cooling	6.5	110	585X1100X1350

For more information, please visit the website: www.labtemp.cn

Dynamic Combined Circulators

Air cooled : -30...250°C



Key features

- Big glass liquid level indicator for easy reading and easily filling thermal fluid;
- Heating and cooling function combined with pump external circulating applications;
- Air cooled units can be installed anywhere, easily moved to other position ;
- Removable particles/dusts filter makes maintenance easily;
- True adaptive control(TAC), proportional cooling , cooling in time(CIT), Cascade temperature control technology ensure highly repeatable internal and external temperature control results
- Five-level safety protection : low and high liquid level, adjustable hardware over-temperature protection, software over-temperature protection, pump overload and by-pass protection, international seal safety, suitable for flammable liquid;

More benefits [extra cost]

- Software “LabTemp” available for PC terminal monitoring and data recording;
- Optional external temperature control sensor PT100 for external applications
- Optional program control: multi-stage program controller helps customer realize program control and slope control within the range of heating and cooling rate such as timed heating, cooling, constant temperature control.
- Optional analog input and output : 0-10V or 4-20mA
- Optional on-off signal input and output: providing alarm signal to external devices or receiving external devices status changes

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Max. Pressure [bar]	Pump Max. Flow rate [L/min]	Dimensions WxDxH[mm]
DCC06	-30...200	±0.3	3000	600	1.8	22	350x530x630
DCC14	-30...200	±0.3	3000	1400	1.5	30	350x530x630
DCC25	-30...200	±0.3	3000	2500	1.5	30	410x550x780
DCC35	-40...200	±0.1	6000	3500	3.8	56	560x650x1300
DCC55	-40...200	±0.1	6000	5500	3.8	56	560x650x1300
DCC06S	-30...250	±0.3	3000	600	3.0	30	350x530x630
DCC14S	-30...250	±0.3	3000	1400	3.0	30	410x550x780
DCC25S	-30...250	±0.3	3000	2500	3.0	30	410x550x780
DCC35S	-45...250	±0.1	6000	3500	6.0	60	560x650x1300
DCC55S	-45...250	±0.1	6000	5500	6.0	60	560x650x1300
DCC25S-80	-80...250	±0.5	3000	2500	3.0	30	560x650x1300
DCC35S-80	-80...250	±0.5	3000	3500	6.0	60	585x1100x1350

For more information , please visit the website: www.labtemp.cn

Dynamic Combined Circulators

Water cooled : -30...250°C



DCC55W

DCC75W



Key features

- Big glass liquid level indicator for easy reading and easily filling thermal fluid;
- Heating and cooling function combined with pump external circulating applications;
- Robust-free, maintenance-free heat exchangers are cooled by an existing cooling water line, units are even quieter and can be completely enclosed during operation because of no heat dissipation into closed space/room;
- Clogging of the heat exchanger by particles/dusts is virtually eliminated
- True adaptive control(TAC), proportional cooling, cooling in time(CIT), Cascade temperature control technology ensure highly repeatable internal and external temperature control results
- Five-level safety protection : low and high liquid level, adjustable hardware over-temperature protection, software over-temperature protection, pump overload and by-pass protection, international seal safety, suitable for flammable liquid;

More benefits [extra cost]

- Software “LabTemp” available for PC terminal monitoring and data recording;
- Optional external temperature control sensor PT100 for external applications
- Optional program control: multi-stage program controller helps customer realize program control and slope control within the range of heating and cooling rate such as timed heating, cooling, constant temperature control.
- Optional analog input and output : 0-10V or 4-20mA
- Optional on-off signal input and output: providing alarm signal to external devices or receiving external devices status changes

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Max. Pressure [bar]	Pump Max. Flow rate [L/min]	Dimensions WxDxH[mm]
DCC35W	-40...200	±0.1	6000	3500	3.8	56	560X650X1300
DCC55W	-40...200	±0.1	6000	5500	3.8	56	560X650X1300
DCC75W	-40...200	±0.1	9000	7500	3.8	56	585X1100X1350
DCC100W	-40...200	±0.1	12000	10000	5.5	110	585X1100X1350
DCC120W	-40...200	±0.1	12000	12000	5.5	110	585X1100X1350
DCC150W	-40...200	±0.1	15000	15000	5.5	110	585X1100X1350
DCC35SW	-45...250	±0.1	6000	3500	6.0	60	560X650X1300
DCC55SW	-45...250	±0.1	6000	5500	6.0	60	560X650X1300
DCC75SW	-45...250	±0.1	9000	7500	6.0	60	585X1100X1350
DCC100SW	-45...250	±0.1	12000	10000	6.5	110	585X1100X1350
DCC120SW	-45...250	±0.1	12000	12000	6.5	110	585X1100X1350
DCC150SW	-45...250	±0.1	15000	15000	6.5	110	585X1100X1350

For more information , please visit the website: www.labtemp.cn

Recirculating Cooler

Refrigerating:-80...40°C



Key features

- Splash-proof keypad with large and bright display, easy operation;
- The combination of EEV and PID control technology, energy saved ;
- Pressure/suction pump for open and closed external application;
- Filling level indicator
- Overflow protection for filling safety;
- Compact models are ideal for placement on table and fume hood;
- Optical and acoustic safety warning,;
- Easy filling and drain;
- The removable venting grid allows an easy cleaning of the condenser;
- RS485/RS232 interface for external remote control(Optional) ;

Applications

- Rotary evaporator (1-3L, 5L, 10L, 20L,50L), reactor system, bioreactor.
- Combinatorial chemistry, reactor blocks, organic synthesis, reaction calorimeters, distillation semiconductor industry
- Distillation system for mini plants and pilot plants
- Concentrator, Kjeldahl nitrogen analyzer, Soxhlet extractor, electrophoresis tank, calorimeter.
- Jacketed reactors, reactors systems and autoclaves for polymerization and polycondensation etc.
- Vacuum chambers

Model	Temp. Range [°C]	Temp. Stability [°C]	Cooling Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Dimensions WxDxH[mm]
icooler-2003	-20...40	±0.3	450	12	0.2	0.1	3.0	220x420x495
icooler-2006	-20...40	±0.3	700	22	0.3	0.2	5.0	220x420x495
icooler-4006	-40...40	±0.3	800	22	0.3	0.2	5.0	220x420x495
icooler-2009	-20...40	±0.5	1200	22	1.0	---	9.0	300x480x630
icooler-4009	-40...40	±0.5	1500	22	1.0	---	9.0	300x480x630
icooler-2017	-20...40	±0.5	2400	22	1.0	---	17.0	400x550x670
icooler-4017	-40...40	±0.5	2400	22	1.0	---	17.0	400x550x670
icooler-4020E	-40...40	±0.5	3200	0...33.3	0...0.7	0...0.4	20.0	450x550x1150
icooler-4020	-40...40	±0.5	5500	0...33.3	0...0.7	0...0.4	20.0	560x650x1300
icooler-4020W	-40...40	±0.5	5500	0...33.3	0...0.7	0...0.4	20.0	450x550x1150
iCooler-3060X	-30...40	±2.0	7000	58.3	2.7	---	60.0	585x1100x1350
iCooler-3060Y	-30...40	±2.0	10000	58.3	2.7	---	60.0	585x1100x1350
iCooler-3060Z	-30...40	±2.0	12000	58.3	2.7	---	60.0	585x1100x1350
iCooler-3080W	-30...40	±2.0	15000	58.3	2.7	---	80.0	585x1100x1350
iCooler-30100	-30...40	±2.0	15000	58.3	2.7	---	100.0	630x1200x1200
icooler-8005	-80...20	±0.5	400	0...25	0...0.4	0...0.3	5.0	355x455x865
icooler-8005A	-80...20	±0.5	800	0...33.3	0...0.7	0...0.4	5.0	450x515x865

For more information , please visit the website: www.labtemp.cn

Recirculating Cooler

Heating and refrigerating:-80…100℃



Key features

- TFT 4.3 inch and bright display, easy operation and read, 0.01 display resolution available, more information are displayed on screen;
- The combination of EEV and PID control technology, energy saved and better temperature stability ;
- Pressure/suction pump for open and closed external application;
- Heating and refrigerating function combined with pump for internal and external applications
- CIT temperature control technology, cooling function can be activated even if at high temperature 100 °C.
- Filling level indicator
- Overflow protection for filling safety;
- Compact models[iCooler-2006+/4006+/4006A+] are ideal for placement on table and fume hood;
- Optical and acoustic safety warning,;
- Easy filling and drain;
- The removable venting grid allows an easy cleaning of the condenser;

- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature;
- Optional RS485/RS232 interface for external remote control , Optional program and slope control

Applications

- Rotary evaporator (1-3L, 5L, 10L, 20L,50L), reactor system, bioreactor.
- Combinatorial chemistry, reactor blocks, organic synthesis, reaction calorimeters, distillation semiconductor industry
- Distillation system for mini plants and pilot plants
- Jacketed reactors, reactors systems and autoclaves for polymerization and polycondensation etc.
- Vacuum chambers

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Dimensions WxDxH[mm]
icooler-2006+	-20...100	±0.05	1500	700	22	0.3	0.2	4.5	220x420x495
icooler-4006+	-40...100	±0.05	1500	800	22	0.3	0.2	4.5	220x420x495
icooler-4009+	-40...100	±0.05	1500	1500	22	1.0	---	9.0	300x480x630
icooler-4017+	-40...100	±0.05	2000	2400	22	1.0	---	17.0	400x550x670
icooler-4020E+	-40...100	±0.05	2000	3200	0...33.3	0...0.7	0...0.4	20.0	450x550x1150
icooler-4020+	-40...100	±0.05	6000	5500	0...33.3	0...0.7	0...0.4	20.0	560x650x1300
icooler-4020W+	-40...100	±0.05	6000	5500	0...33.3	0...0.7	0...0.4	20.0	450x550x1150
icooler-3060Y+	-30...100	±0.05	9000	10000	58.3	2.7	---	60.0	585x1100x1350
iCooler-3080W+	-30...100	±0.05	15000	15000	58.3	2.7	---	80.0	585x1100x1350
icooler-8005+	-80...100	±0.05	750	400	0...25	0...0.4	0...0.3	5.0	355x455x865
icooler-8005A+	-80...100	±0.05	750	800	0...33.3	0...0.7	0...0.4	5.0	450x515x865
iCooler-8020A+	-80...100	±0.05	2000	1600	0...33.3	0...0.7	0...0.4	20.0	560x650x1300

For more information , please visit the website: www.labtemp.cn

Magnetic Stirring Circulators



Key features

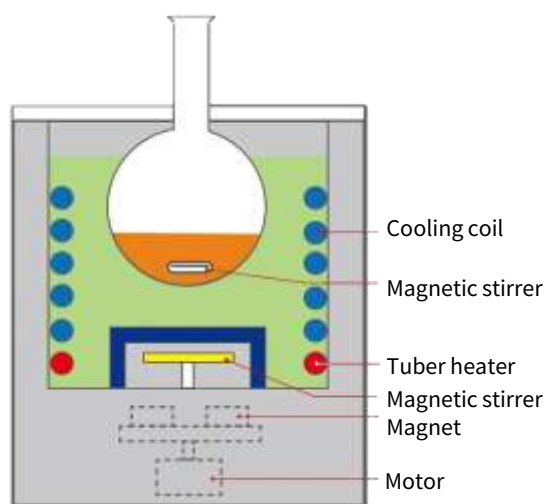
- Double compressor system, combination of EEV and PID control technology, energy saved.
- Adjustable stirring speed
- Adjustable bath opening
- High-performance and high-quality parts, the units with stable quality and reliable performance.
- Natural refrigerant
- acoustic safety warning.
- High quality compressors and quiet fans to make the machine work with very low noise.
- Optional RS485/RS232 interface for external remote control
- Optional connection of 0-10V or 4-20mA signal input possible

MSC-8003EW
MSC-4005EW



Applications

- Combinatorial chemistry ,organic synthesis
- Replace ice salt, dry ice and liquid nitrogen for long-term low temperature reactions.
- Reagent recovery with cold trap applications.



Model	Temp. range [°C]	Temp. Stability [°C]	Bath dimension [L]	Bath volume [L]	Bath opening WxDxH[mm]	Vessel Max. Volume [ml]	Vessel Max. Diameter [mm]	Dimensions WxDxH[mm]
MSC-4005W+	-40...100	±0.1	φ210x150	5.0	φ210	1000	φ210	500x450x370
MSC-4008E	-40...40	±0.1	φ250x180	8.0	φ245	2000	φ245	450x515x865
MSC-4012E	-40...40	±0.1	φ250x250	12.0	φ245	2000	φ245	450x515x865
MSC-4020E	-40...40	±0.1	φ300x300	20.0	φ280	5000	φ280	450x515x865
MSC-8003EW	-80...20	±0.1	φ165x140	3.0	φ140	500	φ140	500x450x370
MSC-8005E	-80...20	±0.1	φ210x150	5.0	φ210	1000	φ210	355x455x865
MSC-8008E	-80...20	±0.1	φ250x180	8.0	φ245	2000	φ245	450x515x865
MSC-8012E	-80...20	±0.1	φ250x250	12.0	φ245	2000	φ245	450x515x865
MSC-8020E	-80...20	±0.1	φ300x300	20.0	φ300	5000	φ280	750x900x760

For more information , please visit the website: www.labtemp.cn

Heating Refrigerating Baths



Key features

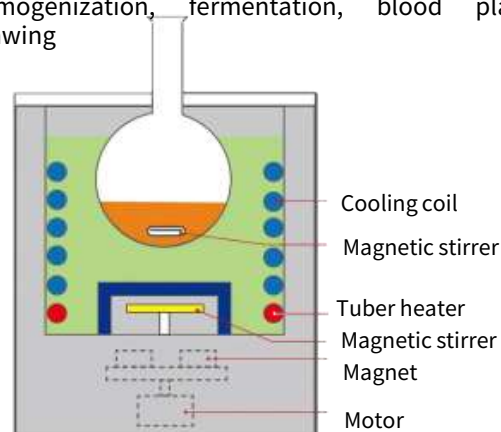
- Splash-proof keypad with large and bright display, easy operation;
- Big bath opening design, more sample vessels ;
- Heating and refrigerating function combined with pump for better internal circulating
- Compact models are ideal for placement on table
- Stainless parts for bath, cooling coils, buoyage, tube heater, sensors and pump tubes
- Internal pump for better temperature uniform;
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid;
- Drain tap easily accessible;
- Sample racks available;
- Bath cover available, and customized cover possible
- HRB40 models with powerful cooling capacity ;
- Models explanation: HRB16/40 are basic models, HRB means heating refrigerating bath, number 16 means bath volume 16 litre, HRBxy-mxn models with stirring function, xy means bath volume, m means rows, n means columns, mxn result means multiple stirring positions , for example, HRB40-2x2 model means 4 stirring points

HRB with magnetic stirrers

- 4.3 inch TFT display
- Magnetic stirring function inside
- 2/4/8/9 magnetic stirring points, speed controlled separately or all

Applications

- Routine laboratory applications, eg. Cell cultivation, temperature control of samples, incubation, material corrosion tests, temperature test of food and beverages;
- Biochemical research, enzyme and tissue studies, homogenization, fermentation, blood plasma thawing



Model	Temp. range [°C]	Temp. Stability [°C]	Uniform [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Flow rate [L/min]	Stirring Points	Bath volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
HRB16	-10...100	±0.05	±0.2	2000	300	12	/	16	325x355x150	580x425x235
HRB40	-10...100	±0.05	±0.2	2000	750	12	/	40	400x400x250	640x440x350
HRB85	-30...100	±0.05	±0.2	9000	2400	58.3	/	85	300x500x570	750x900x760
HRB16-1x2	-10...100	±0.05	±0.2	2000	300	12	2	16	325x355x150	580x425x235
HRB32-2x2	-10...100	±0.05	±0.2	2000	750	12	4	32	400x400x200	640x440x350
HRB32-3x3	-10...100	±0.05	±0.2	2000	750	12	9	32	400x400x200	640x440x350
HRB27H	RT+5...100	±0.1	±0.2	2000	/	11	/	27	500x300x200	

For more information , please visit the website: www.labtemp.cn

Immersion Heating Circulators



“E” Series



“S” H Series



“A” M Series
“A” H Series

E model features

- “E” =Economy
- “E” series with single calibration point and maximum 100 °C
- Splash-proof keypad with large and bright display, easy operation, 0.1 display solution
- PID I control with ± 0.05 °C stability
- Cooling interface ;
- Internal and external circulating
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid;

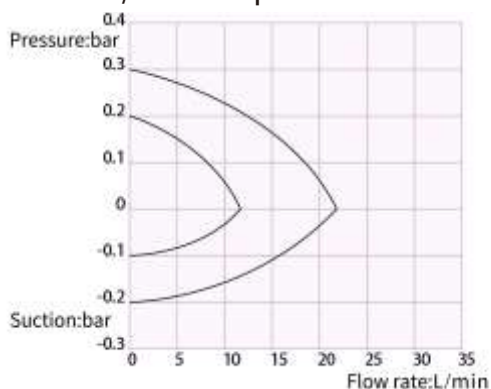
SH model features

- “S” =Standard
- “S” series with two point calibration
- TFT 4.3 inch and bright display, easy operation and read, 0.01 display solution available, more information are displayed on screen
- PID II control with ± 0.03 °C stability
- Cooling interface and CIT interface
- Internal and external circulating
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid;
- Optional program and slope control
- Optional RS485 or RS232 interface

AH model features

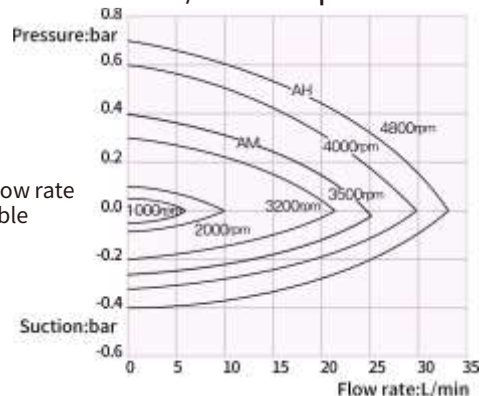
- “A” =Advanced
- “A” series with three point calibration
- TFT 4.3 inch and bright display, easy operation and read, 0.001 display solution available, more information are displayed on screen
- PID III control with ± 0.02 °C stability
- Cooling interface and CIT interface
- Internal and external circulating
- Class IV safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, pump over-load protection, suitable for flammable liquid;
- Optional program and slope control
- Optional RS485 or RS232 interface

E/SH Pump Characteristic



Thermal fluid : Water

AM/AH Pump Characteristic



Pump flow rate adjustable

Thermal fluid : Water

Model	Temp. range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Immersion depth [mm]	Dimensions WxDxH[mm]
HC20E	RT+10...100	± 0.05	2000	12	0.2	0.1	63...130	136 x151x 336
HC20SH	RT+10...200	± 0.03	2000	22	0.3	0.2	63...130	136 x151x 336
HC20AM	RT+ 5...200	± 0.02	2000	0...25	0...0.4	0...0.3	63...130	136 x151x 336
HC20AH	RT+ 5...200	± 0.02	2000	0...33.3	0...0.7	0...0.4	63...130	136 x151x 336

For more information , please visit the website: www.labtemp.cn

Combined Circulators



Applications

Routine laboratory applications such as immersing samples for temperature studies in circulator baths as well as external temperature control applications like measuring cells, refractometers, polarimeters, photometers, viscometers, fermenters, electrophoresis chambers, chromatography columns, rotary evaporators, rheometers

Key features

- “E” Models with single calibration point and maximum 100 °C.
- PID I control with ± 0.05 °C stability.
- Splash-proof keypad with large and bright display, easy operation, 0.1 display solution.
- Heating and refrigerating function combined with pump for internal and external circulating
- Powerful pump with pressure/suction function for internal and External open and closed applications;
- Drain tap easily accessible;
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid;
- 3 operating models for different applications;
- Compact “EW” models are ideal for placement on table, suitable for rotary viscometer application

More benefits[extra cost]

- PID II control, 0.01 display solution are available upgraded;
- RS485 or RS232 are available upgraded
- Heating capacity 3KW is available upgraded;
- Software “LabTemp” available for PC terminal monitoring and data recording;
- Movable tray available for feet standing models, for better placement and move to another applications;

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
CC-1008EW	-10...100	± 0.05	2000	300	12	0.2	0.1	8.0	175x145x150	415x410x426
CC-2005E	-20...100	± 0.05	2000	400	22	0.3	0.2	5.0	166x38x150	230X400X615
CC-4005E	-40...100	± 0.05	2000	600	22	0.3	0.2	5.0	166x38x150	350X450X720
CC-2008E	-20...100	± 0.05	2000	400	22	0.3	0.2	8.0	166x140x150	230x400x615
CC-4008E	-40...100	± 0.05	2000	600	22	0.3	0.2	8.0	166x140x150	350x450x720
CC-2013E	-20...100	± 0.05	2000	500	22	0.3	0.2	13.0	295x130x150	350x450x720
CC-4013E	-40...100	± 0.05	2000	700	22	0.3	0.2	13.0	295x130x150	350x450x720
CC-2017E	-20...100	± 0.05	2000	800	22	0.3	0.2	17.0	295x130x200	350x570x778
CC-4017E	-40...100	± 0.05	2000	700	22	0.3	0.2	17.0	295x130x200	350x570x778
CC-2020E	-20...100	± 0.05	2000	900	22	0.3	0.2	20.0	295x295x150	350X570X778
CC-3020E	-30...100	± 0.05	2000	900	22	0.3	0.2	20.0	295x295x150	350X570X778
CC-2027E	-20...100	± 0.05	2000	900	22	0.3	0.2	27.0	295x295x200	350X570X778
CC-3027E	-30...100	± 0.05	2000	900	22	0.3	0.2	27.0	295x295x200	350X570X778
CC-8005E	-80...100	± 0.05	2000	500	22	0.3	0.2	5.0	166x38x150	350X570X778
CC-8008E	-80...100	± 0.05	2000	800	22	0.3	0.2	8.0	166x140x150	500X630X900

For more information, please visit the website: www.labtemp.cn

Combined Circulators



Applications

Routine laboratory applications such as immersing samples for temperature studies in circulator baths as well as external temperature control applications like measuring cells, refractometers, polarimeters, photometers, viscometers, fermenters, electrophoresis chambers, chromatography columns, rotary evaporators, rheometers

Key features

- “SH” Models with two calibration points and maximum 200 °C working temperature .
- PID II control with ± 0.03 °C stability.
- TFT 4.3 inch and bright display, easy operation and read, 0.1/0.01/0.001 display solution available, more information are displayed on screen .
- Heating and refrigerating function combined with pump for internal and external circulating
- Powerful pump with pressure/suction function
- CIT temperature up to 200 °C, cooling function are activated even if at high temperature 200 °C.
- Drain tap easily accessible;
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid;
- 3 operating models for different applications
- Compact “SHW” models are ideal for placement on table, suitable for rotary viscometers application

More benefits[extra cost]

- PID III control available upgraded;
- RS485 or RS232 are available upgraded
- Heating capacity 3KW is available upgraded;
- Software “LabTemp” available for PC terminal monitoring and data recording;
- External temperature control available upgraded for external closed and open applications
- Programming line increase and decline temperature control available upgraded
- Movable tray available for feet standing models , for better placement and move to another applications;

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
CC-1008SHW	-10...200	± 0.03	2000	300	12	0.2	0.1	8.0	175x145x150	415x410x426
CC-2005SH	-20...200	± 0.03	2000	400	22	0.3	0.2	5.0	166x38x150	230X400X615
CC-4005SH	-40...200	± 0.03	2000	600	22	0.3	0.2	5.0	166x38x150	350x450x720
CC-2008SH	-20...200	± 0.03	2000	400	22	0.3	0.2	8.0	166x140x150	230X400X615
CC-4008SH	-40...200	± 0.03	2000	600	22	0.3	0.2	8.0	166x140x150	350x450x720
CC-2013SH	-20...220	± 0.03	2000	500	22	0.3	0.2	13.0	295x130x150	350x450x720
CC-4013SH	-40...200	± 0.03	2000	700	22	0.3	0.2	13.0	295x130x150	350x450x720
CC-2017SH	-20...200	± 0.03	2000	600	22	0.3	0.2	17.0	295x130x200	350x570x778
CC-4017SH	-40...200	± 0.03	2000	700	22	0.3	0.2	17.0	295x130x200	350x570x778
CC-2020SH	-20...220	± 0.03	2000	900	22	0.3	0.2	20.0	295x295x150	350X570X778
CC-3020SH	-30...200	± 0.03	2000	900	22	0.3	0.2	20.0	295x295x150	350X570X778
CC-2027SH	-20...220	± 0.03	2000	900	22	0.3	0.2	27.0	295x295x200	350X570X778
CC-3027SH	-30...200	± 0.03	2000	900	22	0.3	0.2	27.0	295x295x200	350X570X778
CC-2045SHW	-20...200	± 0.03	2000	1200	22	0.3	0.2	45.0	300x300x320	580x510x555

For more information , please visit the website: www.labtemp.cn

Combined Circulators

CC-2005AH



CC-2020AH



Applications

- External temperature control applications, particularly for distillation apparatus and mini plant installations, jacketed reactors, autoclaves, Kilo labs, pilot plant, etc.
- External temperature control applications like measuring cells, refractometers, polarimeters, photometers, viscometers, fermenters, electrophoresis chambers, chromatography columns, rotary evaporators, rheometers

Key features

- “AH” Models with three calibration points and maximum 200 °C working temperature。
- PID III control with ± 0.02 °C stability。
- TFT 4.3 inch and bright display, easy operation and read, 0.1/0.01/0.001 display solution available, more information are displayed on screen。
- Heating and refrigerating function combined with pump for internal and external circulating
- Adjustable powerful pump with pressure up to 0.7 bar and suction 0.4 bar.
- CIT temperature up to 200 °C, cooling function are activated even if at high temperature 200 °C.
- Drain tap easily accessible;
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, and pump overload protection, suitable for flammable liquid;
- 3 operating models for different applications

More benefits[extra cost]

- PID IV control available upgraded;
- RS485 or RS232 are available upgraded
- Heating capacity 3KW is available upgraded;
- Software “LabTemp” available for PC terminal monitoring and data recording;
- External temperature control available upgraded for external closed and open applications
- Programming line increase and decline temperature control available upgraded
- Movable tray available for feet standing models , for better placement and move to another applications;

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
CC-2005AH	-20...200	± 0.02	2000	400	0-33.3	0-0.7	0-0.4	5.0	166x38x150	230X400X615
CC-4005AH	-40...200	± 0.02	2000	600	0-33.3	0-0.7	0-0.4	5.0	166x38x150	350x450x720
CC-2008AH	-25...200	± 0.02	2000	400	0-33.3	0-0.7	0-0.4	8.0	166x140x150	230X400X615
CC-4008AH	-40...200	± 0.02	2000	600	0-33.3	0-0.7	0-0.4	8.0	166x140x150	350x450x720
CC-2013AH	-20...200	± 0.02	2000	500	0-33.3	0-0.7	0-0.4	13.0	295x130x150	350x450x720
CC-4013AH	-40...200	± 0.02	2000	700	0-33.3	0-0.7	0-0.4	13.0	295x130x150	350x450x720
CC-2017AH	-20...200	± 0.02	2000	600	0-33.3	0-0.7	0-0.4	17.0	295x130x200	350x570x778
CC-4017AH	-40...200	± 0.02	2000	700	0-33.3	0-0.7	0-0.4	17.0	295x130x200	350x570x778
CC-3020AH	-30...200	± 0.02	2000	900	0-33.3	0-0.7	0-0.4	20.0	295x295x150	350x570x778
CC-3027AH	-30...200	± 0.02	2000	900	0-33.3	0-0.7	0-0.4	27.0	295x295x200	350x570x778
CC-3045AHW	-30...200	± 0.02	2000	1200	0-33.3	0-0.7	0-0.4	45.0	300x300x320	580x510x555

For more information , please visit the website: www.labtemp.cn

Open Bath Circulators



OBC220EA



OBCEB-4B



OBCEA-4B

Key features

- “E” Models with single calibration point and maximum 100 °C。
- PID I control with ± 0.05 °C stability。
- Splash-proof keypad with large and bright display, easy operation, 0.1 display solution。
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid;
- 3 operating models for different applications
- Optional cooling coil for cooling

Specials for magnetic stirring circulators

- Combined open bath circulator for temperature and multiple magnetic stirrer for sample stirrer, 3-4-6-9 points available;
- Powerful stirring up to 2L
- Each stirring point separately controlled or all controlled ;
- Splash-proof keypad with large and bright display, easy operation, 1rpm display solution 。

Open bath circulators

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
OBC206EA	RT+10...100	± 0.05	2000	12	0.2	0.1	6.0	155x135x150	200x320x360
OBC213EA	RT+10...100	± 0.05	2000	12	0.2	0.1	20.0	300x165x150	350x350x360
OBC220EA	RT+10...100	± 0.05	2000	22	0.3	0.2	20.0	300x340x150	350x525x360

For more information , please visit the website: www.labtemp.cn

Open bath circulators with magnetic stirrers

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Stirring space [mm]	Speed [rpm]	Stirring points	Bath Volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
OBCEA-3B	RT+10...100	± 0.05	2000	145	50...1500	3	12.0	470x185x80	233x763x348
OBCEA-4B	RT+10...100	± 0.05	2000	145	50...1500	4	16.0	330x325x80	378x617x348
OBCEA-6B	RT+10...100	± 0.05	2000	145	50...1500	6	20.0	470x330x80	378x763x348
OBCEA-9B	RT+10...100	± 0.05	2000	145	50...1500	9	30.0	470x475x80	523x763x348
OBCEB-3B	RT+10...100	± 0.05	2000	145	50...1500	3	12.0	470x185x80	233x763x348
OBCEB-4B	RT+10...100	± 0.05	2000	145	50...1500	4	16.0	330x320x80	385x620x360
OBCEB-6B	RT+10...100	± 0.05	2000	145	50...1500	6	20.0	470x330x80	378x763x348
OBCEB-9B	RT+10...100	± 0.05	2000	145	50...1500	9	30.0	470x475x80	523x763x348

For more information , please visit the website: www.labtemp.cn

Bath Circulators



BC206E



BC220E



BC220E

Key features

- “E” Models with single calibration point and maximum 100 °C。
- PID I control with ± 0.05 °C stability.
- Splash-proof keypad with large and bright display, easy operation, 0.1 display solution.
- Heating function combined with pump for internal and external circulating
- Powerful pump with pressure/suction function
- Drain tap easily accessible;
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid;
- 3 operating models for different applications

More benefits[extra cost]

- PID II/III/IV control, 0.01 display solution are available upgraded;
- RS485 or RS232 are available upgraded
- Heating capacity 3KW is available upgraded;
- Software “LabTemp” available for PC terminal monitoring and data recording;
- Movable tray available for feet standing models, for better placement and move to another applications;

Applications

- Temperature applications for samples, preparation of samples for serology and clinical chemistry, analytics, material testing, external temperature in combination with measuring instruments, measuring cells, photometers, refractometers, polarimeters, etc.

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
BC206E	RT+10...100	± 0.05	2000	12	0.2	0.1	6.0	150X105X150	180X330X400
BC213E	RT+10...100	± 0.05	2000	12	0.2	0.1	13.0	295x130x150	330x360x450
BC217E	RT+10...100	± 0.05	2000	22	0.3	0.2	17.0	295x130x200	330x360x450
BC220E	RT+10...100	± 0.05	2000	22	0.3	0.2	20.0	295x295x150	335x540x450
BC227E	RT+10...100	± 0.05	2000	22	0.3	0.2	27.0	295x295x200	335x540x450

For more information, please visit the website: www.labtemp.cn

Bath Circulators

BC208AH



BC217AH



BC220AH



Key features

- “AH” Models with three calibration points and maximum 200 °C working temperature。
- PID III control with ± 0.02 °C stability.
- TFT 4.3 inch and bright display, easy operation and read, 0.1/0.01/0.001 display solution available, more information are displayed on screen。
- Heating function combined with pump for internal and external circulating
- Adjustable powerful pump with pressure up to 0.7 bar and suction 0.4 bar。
- Optional cooling coil available to connect external tap water or refrigerating coolers to get room temperature control or low temperature, depending on external coolers and cooling capacity
- Drain tap easily accessible;
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, and pump overload protection, suitable for flammable liquid;
- 3 operating models for different applications

More benefits[extra cost]

- PID IV control available upgraded for ± 0.01 °C temperature stability;
- RS485 or RS232 are available upgraded
- Heating capacity 3KW is available upgraded;
- Software “LabTemp” available for PC terminal monitoring and data recording;
- External temperature control available upgraded for external closed and open applications
- Programming line increase and decline temperature control available upgraded
- Movable tray available for feet standing models , for better placement and move to another applications;

Applications

- Temperature applications for samples, preparation of samples for serology and clinical chemistry, analytics, material testing, external temperature in combination with measuring instruments, measuring cells, photometers , refractometers, polarimeters, etc.

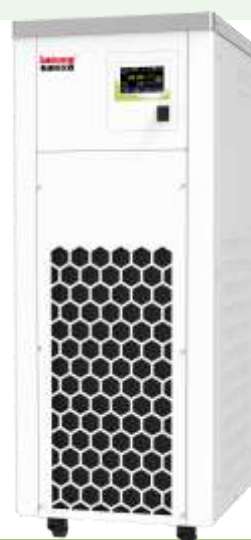
Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Pump Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Bath Opening WxDxH[mm]	Dimensions WxDxH[mm]
BC206AH	RT+5...200	± 0.02	2000	22-27	0.4-0.7	0.2-0.4	6.0	150X105X150	180X330X400
BC208AH	RT+5...200	± 0.02	2000	22-27	0.4-0.7	0.2-0.4	8.0	166X140X150	220x380x405
BC213AH	RT+5...200	± 0.02	2000	22-27	0.4-0.7	0.2-0.4	13.0	295x130x150	330x360x450
BC217AH	RT+5...200	± 0.02	2000	22-27	0.4-0.7	0.2-0.4	17.0	295x130x200	330x360x450
BC220AH	RT+5...200	± 0.02	2000	22-27	0.4-0.7	0.2-0.4	20.0	295x295x150	335x540x450
BC227AH	RT+5...200	± 0.02	2000	22-27	0.4-0.7	0.2-0.4	27.0	295x295x200	335x540x450

For more information , please visit the website: www.labtemp.cn

Closed Bath Circulators



CBC309H



CBC620H

Key features

- TFT 4.3 inch and bright display, easy operation and read, 0.1/0.01/0.001 display resolution available, more information are displayed on screen;
- Heating function combined with water cooling also results in room temperature control or lower than room temperature control application
- Powerful heating capacity: 3KW for CBC309H, 6KW for CBC620, this results in rapid heating up time
- Water saved PID control via water inlet valve, controller adjusts valve on-off state to save external water
- CBC309H has adjustable powerful pump with pressure up to 0.7 bar and suction 0.4 bar.
- CBC620H has powerful pressure pump pressure and flow rate, bigger bath vessel suits for more external application
- CIT technology activates cooling water valve even high temperature up to 300°C.
- True adaptive control(TAC), proportional cooling, cooling in time(CIT), Cascade temperature control technology ensure highly repeatable internal and external temperature control results
- Four-level safety protection: low and high liquid level, adjustable hardware over-temperature protection, software over-temperature protection, pump over load protection, suitable for flammable liquid;

More benefits [extra cost]

- Software “LabTemp” available for PC terminal monitoring and data recording;
- Optional external temperature control sensor PT100 for external applications
- Optional program control: multi-stage program controller helps customer realize program control and slope control within the range of heating and cooling rate such as timed heating, cooling, constant temperature control.
- Optional analog input and output: 0-10V or 4-20mA
- Optional on-off signal input and output: providing alarm signal to external devices or receiving external devices status changes

Applications

- Jacketed reactors, reactors systems and autoclaves for polymerization, polycondensation etc.
- Combinatorial chemistry, reactor blocks, organic synthesis, reaction calorimeters, distillation, mini plants, pilot plants, semiconductor industry, material and stress tests
- Component testing, simulation of environmental conditions

Model	Temp. Range [°C]	Temp. Stability [°C]	Heating Capacity [W]	Cooling Capacity [W]	Flow rate [L/min]	Pump Pressure [bar]	Pump Suction [bar]	Bath Volume [L]	Dimensions WxDxH[mm]
CBC309H	RT...200	±0.5	3000	Water cooling	0...33.3	0...0.7	0...0.4	9	300x500x630
CBC620H	RT...200	±0.5	6000	Water cooling	56.0	3.8	/	20	450x550x1150

For more information, please visit the website: www.labtemp.cn

Refrigerating Water Chillers

UC&IC Series



UC10
IC012



UC16
IC027



UC52
IC036

Key features

- LCD bright display, easy operation and read, 0.1 °C display, actual temperature, set temperature and control difference are displayed, keypad lock function for mistouching
- The combination of Hot gas bypass and PID control technology for better temperature control stability.
- Pump in filter and pump out filter, pump out filter installed on the front, easy checked and maintenance
- Powerful pressure/suction pump, liquid level protection, optical and acoustic safety warning.
- High quality compressors and quiet fans result in low noise.
- RS485/RS232 interface for external remote control

Applications

- Rotary evaporators, bio-reactors/fermenters, Soxhlet apparatus, distillation systems, vacuum systems, gas chromatographs, spectrometers(AA/ICP/ICP-MS), semiconductor applications, metering and adhesive technology, diffusion pumps, mass spectrometers, electron microscopes

Model	Temp. Range [°C]	Temp. Stability [°C]	Cooling Capacity [W]	Pump Flow rate [L/min]	Pump Maz. Pressure [bar]	Bath Volume [L]	Dimensions WxDxH[mm]
UC10	5...35	±0.1	1000	4.0L/Min@1.5bar	4.2	7.0	300X500X620
UC12	5...35	±0.1	1200	4.0L/Min@1.5bar	4.2	7.0	300X500X620
UC16	5...35	±0.1	1600	4.5L/Min@1.5bar	4.2	13.0	400x550x670
UC22	5...35	±0.1	2200	7.5L/Min@4.0bar	6.0	13.0	400x550x670
UC30	5...35	±0.1	3000	7.5L/Min@4.0bar	6.0	13.0	400x550x670
UC36	5...35	±0.1	3600	28.0L/Min@2.4bar	2.7	25.0	530x680x820
UC52	5...35	±0.1	5200	28.0L/Min@2.4bar	2.7	25.0	530x680x820
IC010	5...35	±1.0	1000	12.5L/Min@0.5bar	2.0	7.0	300X500X620
IC016	5...35	±1.0	1600	12.5L/Min@0.5bar	2.0	17.0	400x520x745
IC027	5...35	±1.0	2700	28.0L/Min@2.4bar	2.7	13.0	400x550x670
IC036	5...35	±1.0	3600	28.0L/Min@2.4bar	2.7	25.0	530x680x820
IC052	5...35	±1.0	5200	28.0L/Min@2.4bar	2.7	25.0	530x710x960
IC085	5...35	±1.0	8500	28.0L/Min@2.4bar	2.7	70.0	540x960x1170
IC145	5...35	±1.0	14500	56.0L/Min@2.4bar	2.7	100.0	630x1200x1200
IC290	5...35	±1.0	29000	100L/min @ 2.4bar	2.7	150	800x1500x1650

For more information , please visit the website: www.labtemp.cn

Immersion Coolers



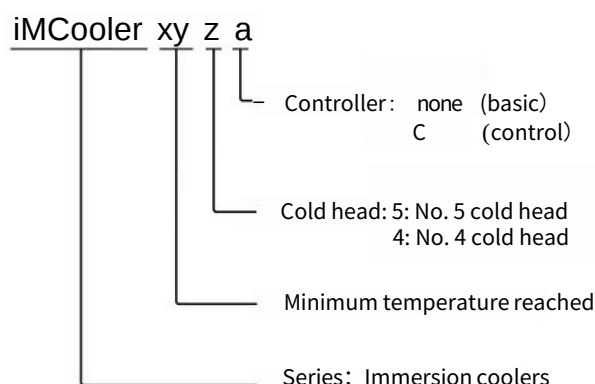
Descriptions

Labtemp immersion coolers are ideal for directly cooling in combination with heating circulators and for rapid cooling of liquids down to low temperature because of evaporators touching the cooled objects, many cold heads optional for different applications

Key features

- Double compressor system for minus 80°C devices combination of EEV and PID control technology resulting in energy saved and better stability .
- Flexible connection hoses, easily going to application positions
- Optional cold heads, suits for different applications
- Optional external temperature control sensors for better applications temperature control
- Natural refrigerant
- acoustic safety warning.
- High quality compressors and quiet fans to make the machine work with very low noise.
- Optional RS485/RS232 interface for external remote control
- Optional connection of 0-10V or 4-20mA signal input possible

Model definition



Applications

- Cooling in combination with heating circulators resulting in room temperature or below room temperature control applications
- Combinatorial chemistry ,organic synthesis
- Replace ice salt, dry ice and liquid nitrogen for long-term low temperature reactions.

Model	Temp. Range [°C]	Temp. Stability [°C]	Cooling Capacity [W]	Cold head [mm]	Hose length [mm]	Dimensions WxDxH[mm]
iMCooler-204	-20...40	±0.5	350	φ50×180	1200	220x420x495
iMCooler-402	-40...40	±0.5	450	φ50×180	1200	220x420x495
iMCooler-805	-80...20	±1.0	400	φ10×650	1600	355x455x865

Accessories

Hoses



2.01.64.10031



2.01.64.00005



2.01.64.60018

Labtemp Order No.	Model	Description
2.01.64.00005	H-SI-180-1.8-NW8	Silicon insulated hose , internal diameter 8mm, L=1.8m,-40~110°C
2.01.64.00006	H-SI-180-1.8-NW12	Silicon insulated hose, internal diameter 12mm, L=1.8m,-40~110°C
2.01.64.00013	H-SI-180-1.8-NW7	Silicon insulated hose, internal diameter 7mm, L=1.8m, -40~110°C
2.01.64.00019	H-SI-180-1.8-NW10	Silicon insulated hose, internal diameter 10mm, L=1.8m,-40~110°C
2.01.64.00029	H-SI-180-2.0-NW8	Silicon insulated hose, internal diameter 8mm, L=2.0m,-80~110°C
2.01.64.10031	H-PTFE-180-1.5-M16x1F	PTFE insulated hose, 2 fittings M16x1 female , nominal width 12mm, L=1.5m, -60~180°C;
2.01.64.10032	H-PTFE-180-1.0-M16x1F	PTFE insulated hose, 2 fittings M16x1 female , nominal width 12mm, L=1.0m, -60~180°C;
2.01.64.20022	H-ST-200-1.0-M16x1F	Stainless steel insulated hose, 2 fittings M16x1 female , nominal internal diameter 12mm, L=1.0m, -50~200°C;
2.01.64.20024	H-ST-200-1.5-M16x1F	Stainless steel insulated hose, 2 fittings M16x1 female , nominal internal diameter 12mm, L=1.5m, -50~200°C;
2.01.64.20023	H-ST-200-1.0-M30x1.5F	Stainless steel insulated hose, 2 fittings M30x1.5 female , nominal internal diameter 20mm, L=1.0m, -50~200°C;
2.01.64.20025	H-ST-200-1.5-M30x1.5F	Stainless steel insulated hose, 2 fittings M30x1.5 female , nominal internal diameter 20mm, L=1.5m, -50~200°C;
2.01.64.20015	H-ST-350-1.0-M16x1F	Stainless steel insulated hose, 2 fittings M16x1 female , nominal internal diameter 12mm, L=1.0m, -100~350°C;
2.01.64.20002	H-ST-350-1.5-M16x1F	Stainless steel insulated hose, 2 fittings M16x1 female , nominal internal diameter 12mm, L=1.5m, -100~350°C;
2.01.64.20016	H-ST-350-1.0-M30x1.5F	Stainless steel insulated hose, 2 fittings M30x1.5 female , nominal internal diameter 20mm, L=1.0m, -100~350°C;
2.01.64.20013	H-ST-350-1.5-M30x1.5F	Stainless steel insulated hose, 2 fittings M30x1.5 female , nominal internal diameter 20mm, L=1.5m,-100~350°C;
2.01.64.60018	H-R-I-200-NW10	Rubber insulated hose with braiding, nominal internal diameter 10mm, -40~200°C

Accessories

Temperature control sensors



2.01.67.00040

Labtemp Order No.	Model	Description
2.01.67.00008	S-E-PT100-201	External temperature sensor PT100, dia.=6mm, length=250mm, cable length=1.5m, max. 200°C
2.01.67.00010	S-E-PT100-1	External temperature sensor PT100, dia.=3mm, length=250mm, cable length=1.5m, max. 200°C
2.01.67.00024	S-E-PT100-204	External temperature sensor PT100, dia.=6mm, length=400mm, cable length=1.5m, max. 200°C
2.01.67.00025	S-E-PT100-205	External temperature sensor PT100, dia.=6mm, length=500mm, cable length=1.5m, max. 200°C
2.01.67.00026	S-E-PT100-206	External temperature sensor PT100, dia.=6mm, length=600mm, cable length=1.5m, max. 200°C
2.01.67.00027	S-E-PT100-207	External temperature sensor PT100, dia.=6mm, length=700mm, cable length=1.5m, max. 200°C
2.01.67.00028	S-E-PT100-208	External temperature sensor PT100, dia.=6mm, length=900mm, cable length=1.5m, max. 200°C
2.01.67.00037	S-E-PT100-211	External temperature sensor PT100, dia.=6mm, length=900mm, cable length=1.5m, max. 300°C
2.01.67.00040	EC-E-PT100 -1	Extension cable with lemo plug & connection, length=1m for external temperature sensor PT100
2.01.67.00041	EC-E-PT100 -5	Extension cable with lemo plug & connection, length=5m for external temperature sensor PT100
2.01.67.00042	EC-E-PT100 -10	Extension cable with lemo plug & connection, length=10m for external temperature sensor PT100
2.01.67.00043	EC-E-PT100 -20	Extension cable with lemo plug & connection, length=20m for external temperature sensor PT100
2.01.67.00044	EC-E-PT100 -2	Extension cable with lemo plug & connection, length=2m for external temperature sensor PT100
2.01.67.00046	/	External Pt100 connector

Accessories

Fluids



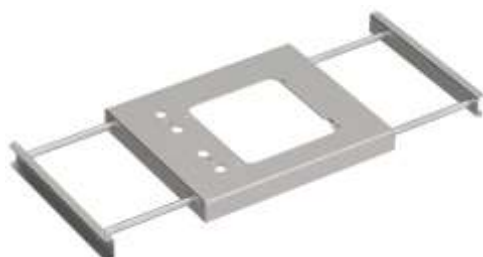
Labtemp Order No.	Model	Description
2.01.69.00023	TF-M20.275.50	silicon oil,min. temp: -20°C, max. temp.:275°C,viscosity at 25°C: 50mm ² /s, colourless, clear, suitable for open system
2.01.69.00020	TF-M45.220.50	silicon oil,min. temp: -45°C, max. temp.:220°C,viscosity at 25°C: 50mm ² /s, colourless, clear, suitable for open system
2.01.69.00022	TF-M60.100.10	silicon oil, min. temp: -60°C, max. temp.:100°C,viscosity at 25°C: 10mm ² /s, colourless, clear, suitable for open system
2.01.69.00026	TF-M80.100.5	silicon oil, min. temp: -80°C, max. temp.:100°C,viscosity at 25°C: 5mm ² /s, colourless, clear, suitable for open system
2.01.69.00021	TF-M40.220.10	silicon oil,min. temp: -40°C, max. temp.:220°C,viscosity at 25°C: 10mm ² /s, colourless, clear, suitable for closed system
2.01.69.00027	TF-M50.300.10	silicon oil,min. temp: -50°C, max. temp.:300°C,viscosity at 25°C: 10mm ² /s, colourless, clear, suitable for closed system
2.01.69.00024	TF-M10.350.20	silicon oil,min. temp: -10°C, max. temp.:350°C,viscosity at 25°C: 20mm ² /s, colourless, clear, suitable for closed system
2.01.69.00028	TF-M60.300.10	silicon oil,min. temp: -60°C, max. temp.:300°C,viscosity at 25°C: 10mm ² /s, colourless, clear, suitable for closed system
2.01.69.00025	TF-M80.280.5	silicon oil, min. temp: -80°C, max. temp.:280°C,viscosity at 25°C: 5mm ² /s, colourless, clear, suitable for closed system
2.01.69.40001	TF-M45.80.50	Antifreeze, min. temp: -45°C, max. temp.:80°C,viscosity at 25°C: 50mm ² /s, red color 4.0L/can
2.01.69.40004	TF-M20.120.50	Antifreeze,min. temp: -45°C, max. temp.:120°C,viscosity at 25°C: 50mm ² /s ,colourless, clear, 10L/can



Labtemp Order No.	Model	Description
2.01.69.60004	TF-algae protection	Water protective media to prevent formation of algae, 100ml/bottle

Accessories

Bridges



2.10.01.00012



2.10.90.00007

Labtemp Order No.	Model	Description
2.10.01.00012	AB-1	Adjustable bridge No. 1 for HC20/HC30 immersion heating circulator
2.10.90.00005	BOB05	Bridge for PC transparent open bath, 5 litres
2.10.90.00006	BOB08	Bridge for PC transparent open bath, 8 litres
2.10.90.00007	BOB20	Bridge for PC transparent open bath, 20 litres

Open baths



2.10.60.00045



2.10.60.00039

Labtemp Order No.	Model	Description
2.10.60.00036	OB05A	PC transparent open bath, 5 litres
2.10.60.00037	OB08A	PC transparent open bath, 8 litres
2.10.60.00038	OB12A	PC transparent open bath, 12 litres
2.10.60.00039	OB20A	PC transparent open bath, 20 litres
2.10.60.00043	OBD08B	Stainless steel open bath with drainage, 8L
2.10.60.00044	OBD12B	Stainless steel open bath with drainage, 12L
2.10.60.00045	OBD20B	Stainless steel open bath with drainage, 20L

Accessories

Covers



2.10.70.00017



2.10.70.00016
2.10.70.00018



2.01.71.01007



2.10.70.00007



2.10.70.00009



2.10.70.00012



2.10.70.00018



2.10.70.00015



Labtemp Order No.	Model	Description
2.10.90.00001	COB05A	Cover for PC transparent open bath, 5 litres
2.10.90.00002	COB08A	Cover for PC transparent open bath, 8 litres
2.10.90.00003	COB12A	Cover for PC transparent open bath, 12 litres
2.10.90.00004	COB20A	Cover for PC transparent open bath, 20 litres
2.10.70.00010	COB16B-HRB	Cover for heating refrigerating bath HRB16
2.10.70.00011	COB40B-HRB	Cover for heating refrigerating bath HRB40
2.10.70.00012	COB45-CC-W	Cover for combined circulator 45L sleep series
2.10.70.00013	COB85-HRB	Cover for heating refrigerating bath HRB85
2.10.70.00015	COB16-HRB-1x2	Cover for heating refrigerating bath with magnetics HRB16-1x2
2.10.70.00018	COB32-HRB-2x2	Cover for heating refrigerating bath with magnetics HRB32-2x2
2.10.70.00016	COB-MSC-D140	Adjustable cover with maximum Φ140 opening
2.10.70.00017	COB-MSC-D180	Adjustable cover with maximum Φ180 opening
2.10.70.00018	COB-MSC-D260	Adjustable cover with maximum 260 opening
2.01.71.01007	COB-KF25	Cover for cold trap CT-5003 with KF25 adapter
2.10.70.00001	COB08-BC/CC	Cover for bath circulator 8L series and combined circulator 8L stand series
2.10.70.00002	COB08-CC-W	Cover for combined circulator 8L sleep series
2.10.70.00003	COB15-CC-W	Cover for combined circulator 15L sleep series
2.10.70.00005	COB05-CC	Cover for combined circulator 5L stand series
2.10.70.00006	COB06-BC	Cover for bath circulator 6L series
2.10.70.00007	COB20-BC/CC	Cover for bath circulator 20L&27L series
2.10.70.00008	COB10-CC-W	Cover for combined circulator 10L sleep series
2.10.70.00009	COB-BC/CC-C	Cover for bath circulator and combined circulator with coil

Accessories

Brackets&Racks



2.10.11.00017



2.10.11.00018



2.10.11.00016



2.10.11.00019



2.10.11.00014



2.10.11.00005



2.10.11.00023



2.10.11.00022

Labtemp Order No.	Model	Description
2.10.11.00016	RS25	Sample cup bracket 115x115x25
2.10.11.00017	RS45	Sample cup bracket 115x115x45
2.10.11.00018	RS45P	Sample cup bracket 115x115x45 with fence
2.10.11.00019	RS45D60	Sample cup bracket 115x115x85, suit for max. external diameter 60mm cup
2.10.11.00021	RS75	Sample cup bracket, height 75mm, suit for CC-0515EW
2.10.11.00022	RS80	Sample cup bracket, holding 3 pcs 500ml sample cups, suit for CC-0515 series,
2.10.11.00023	RS90	Sample cup bracket, holding 2 pcs 500ml sample cups, suit for CC-1010 series,
2.10.11.00024	RS220	Sample cup bracket, height 25mm, suit for CC/BC/OBC-EB series bath volume 20L/27L device
2.10.11.00001	RS13-57	Tube racks, stainless steel, bore holes Ø13 x 57
2.10.11.00002	RS17-37	Tube racks, stainless steel, bore holes Ø17 x 37
2.10.11.00003	RS22-22	Tube racks, stainless steel, bore holes Ø22 x 22
2.10.11.00004	RS13-73	Tube racks, stainless steel, bore holes Ø13 x 73
2.10.11.00005	RS17-47	Tube racks, stainless steel, bore holes Ø17 x 47
2.10.11.00006	RS22-30	Tube racks, stainless steel, bore holes Ø22 x 30
2.10.11.00007	RS13-38	Tube racks, stainless steel, bore holes Ø13 x 38
2.10.11.00008	RS17-23	Tube racks, stainless steel, bore holes Ø17 x 23
2.10.11.00009	RS22-17	Tube racks, stainless steel, bore holes Ø22 x 17
2.10.11.00010	RS13-50	Tube racks, stainless steel, bore holes Ø13 x 50
2.10.11.00011	RS17-29	Tube racks, stainless steel, bore holes Ø17 x 29
2.10.11.00012	RS22-323	Tube racks, stainless steel, bore holes Ø22 x 23
2.10.11.00013	RP10-36	Tube racks, PC, bore holes Ø10x36
2.10.11.00014	RP21-12	Tube racks, PC, bore holes Ø21x12
2.10.11.00015	RP16-16	Tube racks, PC, bore holes Ø16x16

Accessories

Adapters



2.10.10.00001



2.10.10.00002



2.10.10.00004



2.10.10.00010



2.10.10.00016



2.10.10.00021



2.10.10.00024



2.10.10.00026



2.10.10.00019



2.10.10.00036



2.10.10.00045

Labtemp Order No.	Model	Description
2.10.10.00001	P M16x1	Blank plug for M16x1
2.10.10.00002	UN M16x1	Union nut M16x1
2.10.10.00003	UN M30x1.5	Union nut M30x1.5
2.10.10.00004	HC M16x1,NW8	Hose connector M16x1, NW 8
2.10.10.00005	HC M16x1,NW12	Hose connector M16x1, NW12
2.10.10.00006	HC M30x1.5,NW22	Hose connector M16x1, NW22
2.10.10.00009	AD-M16x1M-G1/2M	Adapter M16x1 male thread to G1/2 male thread
2.10.10.00010	AD-M16x1M-M16x1M	Adapter M16x1 male thread to M16x1 male thread
2.10.10.00011	AD-M16x1M-M30x1.5M	Adapter M16x1 male thread to M30x1.5 male thread
2.10.10.00012	AD-M30x1.5M-M30x1.5M	Adapter M30x1.5 male thread to M30x1.5 male thread
2.10.10.00014	AD-M30x1.5M-G3/8M	Adapter M30x1.5 male thread to G3/8 male thread
2.10.10.00015	AD-M30x1.5M-G3/4M	Adapter M30x1.5 male thread to G3/4 male thread
2.10.10.00016	AD-M30x1.5M-G1/2M	Adapter M30x1.5 male thread to G1/2 male thread
2.10.10.00018	AD-M30x1.5M-G1M	Adapter M30x1.5 male thread to G1 male thread
2.10.10.00019	AD-M16x1M-M30x1.5F	Adapter M16x1 male thread to M30x1.5 female thread
2.10.10.00021	AD-M16x1M-G1/2F	Adapter M16x1 male thread to G1/2 female thread
2.10.10.00022	AD-M16x1M-G3/4F	Adapter M16x1 male thread to G3/4 female thread
2.10.10.00023	AD-M30x1.5M-G3/4F	Adapter M30x1.5 male thread to G3/4 female thread
2.10.10.00024	AD-M16x1F-M16x1F	Adapter M16x1 female thread to M16x1 female thread
2.10.10.00025	AD-M16x1F-G1/4F	Adapter M16x1 female thread to G1/4 female thread
2.10.10.00026	AD-M16x1F-G1/2F	Adapter M16x1 female thread to G1/2 female thread
2.10.10.00027	AD-M16x1F-G3/4F	Adapter M16x1 female thread to G3/4 female thread
2.10.10.00028	AD-M30x1.5F-G1/2F	Adapter M30x1.5 female thread to G1/2 female thread
2.10.10.00029	AD-M30x1.5F-G3/4F	Adapter M30x1.5 female thread to G3/4 female thread
2.10.10.00030	AD-M30x1.5F-G1F	Adapter M30x1.5 female thread to NPT3/4 female thread
2.10.10.00031	AD-M16x1F-M30x1.5M	Adapter M16x1 female thread to M30x1.5 male thread
2.10.10.00032	AD-M30x1.5F-G3/8M	Adapter M30x1.5 female thread to G3/8 male thread
2.10.10.00033	AD-M30x1.5F-G1/2M	Adapter M30x1.5 female thread to G1/2 male thread
2.10.10.00034	AD-M30x1.5F-G3/4M	Adapter M30x1.5 female thread to G3/4 male thread
2.10.10.00036	90°AD-M16x1F-M16x1M	90° Adapter M16x1 female thread to M16x1 male thread
2.10.10.00037	90°AD-M30x1.5F-M30x1.5M	90° Adapter M30x1.5 female thread to M30x1.5 male thread
2.10.10.00040	AD-M16x1F-KN/PC08(ID5)	Adapter M16x1 female thread to quick-screw connection, suitable for internal dia. 5mm, external dia. 8mm hose
2.10.10.00041	AD-M16x1F-KN/PC08(ID6)	Adapter M16x1 female thread to quick-screw connection, suitable for internal dia. 5mm, external dia. 8mm hose
2.10.10.00045	AD pump set	AD pump set, nominal internal dia. 10mm, 2pcs M16x1 male thread fittings

Accessories

Adapters

Labtemp Order No.	Model	Description
2.10.10.00042	AD-M16x1F-2xM16x1M	2-way distributing adapter M16x1 female to 2 x M16x1 male
2.10.10.00043	AD-M16x1F-3xM16x1M	3-way distributing adapter M16x1 female to 3 x M16x1 male
2.10.10.00044	AD-M16x1F-4xM16x1M	4-way distributing adapter M16x1 female to 4 x M16x1 male



Labtemp Order No.	Model	Description
2.10.17.00004	BT-ST-PC08-ZG1/4M	Adapter stainless steel PC type from ZG1/4" male to barbed fitting for tubing 8mm inner dia.
2.10.17.00012	BT-ST-PC10-ZG1/2M	Adapter stainless steel PC type from ZG1/2" male to barbed fitting for tubing 10mm inner dia.
2.10.17.00024	BT-ST-PC20-ZG3/4M	Adapter stainless steel PC type from ZG3/4" male to barbed fitting for tubing 20mm inner dia.
2.10.17.00034	BT-ST-PC32-ZG1M	Adapter stainless steel PC type from ZG1" male to barbed fitting for tubing 20mm inner dia.

Labtemp Order No.	Model	Description
2.10.17.00036	BT-ST-PCF14-G3/4F	Adapter stainless steel PC type from ZG3/4" female to barbed fitting for tubing 14mm inner dia.
2.10.17.00035	BT-ST-PCF12-G1F	Adapter stainless steel PC type from ZG1" female to barbed fitting for tubing 12mm inner dia.



Labtemp Order No.	Model	Description
2.10.17.00037	BT-ST-PL1/2"-G1/2M	Adapter stainless steel PL type(elbowed) from G1/2" male to barbed fitting for tubing 1/2" inner dia.
2.10.17.00038	BT-ST-PL20-ZG1/2M	Adapter stainless steel PL type(elbowed) from ZG1/2" male to barbed fitting for tubing 20mm inner dia.
2.10.17.00039	BT-ST-PL20-ZG3/4M	Adapter stainless steel PL type(elbowed) from ZG3/4" male to barbed fitting for tubing 20mm inner dia.
2.10.17.00040	BT-ST-PL32-ZG1M	Adapter stainless steel PL type(elbowed) from ZG1" male to barbed fitting for tubing 32mm inner dia.

Labtemp Order No.	Model	Description
2.10.17.00042	BT-ST-PE06	Adapter stainless steel PE type with barbed fitting for tubing 6mm inner dia.
2.10.17.00043	BT-ST-PE10	Adapter stainless steel PE type with barbed fitting for tubing 10mm inner dia.
2.10.17.00044	BT-ST-PE12	Adapter stainless steel PE type with barbed fitting for tubing 12mm inner dia.



Accessories

Adapters



2.10.17.00052



2.10.17.00060



2.10.17.00055



2.10.17.00096

Labtemp Order No.	Model	Description
2.10.17.00052	KN-ST-PC12(ID8)-ZG1/4M	Adapter stainless steel PC type from ZG1/4 male thread to quick-screw connection, suitable for internal dia. 8mm external dia. 12mm hard tube
2.10.17.00060	KN-ST-PCF06(ID4)-M14x1.5F	Adapter stainless steel PCF type from M14x1.5 female thread to quick-screw connection, suitable for internal dia. 4mm external dia. 6mm hard tube
2.10.17.00055	KN-ST-PL12(ID8)-ZG3/8M	Adapter stainless steel PC type from ZG3/8 male thread to quick-screw connection, suitable for internal dia. 8mm external dia. 12mm hard tube
2.10.17.00059	KN-ST-PL16(ID12)-ZG1/2M	Adapter stainless steel PC type from ZG1/2 male thread to quick-screw connection, suitable for internal dia. 12mm external dia. 16mm hard tube
2.10.17.00086	KC-Cu-PC08-ZG1/8M	Adapter copper PC type from ZG1/8 male thread to quick-plug connection, suitable for external dia. 8mm hard tube
2.10.17.00088	KC-Cu-PC04-ZG1/4M	Adapter copper PC type from ZG1/4 male thread to quick-plug connection, suitable for external dia. 4mm hard tube
2.10.17.00096	KC-Cu-PC12-ZG1/2M	Adapter copper PC type from ZG1/2 male thread to quick-plug connection, suitable for external dia. 12mm hard tube
2.10.17.00100	KC-Cu-PC16-ZG3/4M	Adapter copper PC type from ZG3/4 male thread to quick-plug connection, suitable for external dia. 16mm hard tube



2.10.01.00011



2.10.80.00001



2.01.70.00001

Labtemp Order No.	Model	Description
2.10.01.00011	SC-1	Screw clamp No. 1 for HC20/HC30 immersion heating circulator
2.10.80.00001	LC-1	level controller for open baths
2.01.70.00001	TR-1	Trolley for iCooler-2003/2006/4006,CC-1008/2008/2508/1006EL,BC206/208



2.10.01.00013



2.10.01.00015



2.01.71.00905

Labtemp Order No.	Model	Description
2.10.01.00013	MV-1	Magnetic valve No. 1 for external water cooling source, Maximum 120°C
2.10.01.00014	MV-2	Magnetic valve No. 2 for external thermo fluids cooling source, Maximum 200°C
2.10.01.00015	BV-1	Ball valve , stainless steel, M10
2.10.01.00016	BV-2	Ball valve , stainless steel, M16x1
2.01.71.00905	/	Manually adjustable by-pass M16x1

Accessories

Labtemp Order No.	Description
2.10.13.00001	Stainless steel magnetic stirrer
2.10.14.00001	Clamp for sample cup, suit for diameter $\phi 20 \sim 48$ mm cup
2.10.14.00002	Cross clamp for MSC series, holes diameter 8mm and 10mm



2.10.15.00001



Labtemp Order No.	Model	Description
2.10.15.00001	ADJA01	Adapter for Special 8.0&7.5cm height sample cup
2.10.15.00002	ADJA02	Adapter for Special 12.2cm height sample cup

Labtemp Order No.	Model	Description
2.10.16.00001	FI5	5 inch sediment filter set
2.10.16.00002	FI10	10 inch sediment filter set
2.10.16.00003	FI5-1PP	5 micron sediment filter, L=5inch
2.10.16.00004	FI10-1PP	5 micron sediment filter, L=10inch
2.10.12.00001	FB-1	Float balls to avoid water evaporating



Labtemp Order No.	Model	Description
2.01.71.01101	CC-1	Cooling coil No. 1 with 2 pcs 10mm external diameter barbed connector
2.01.71.01104	CC-2	Cooling coil No. 2 with 2 pcs 10mm external diameter barbed connector

Labtemp Order No.	Model	Description
2.10.18.00004	HG-ST-10-16	Hose clamp stainless steel suit for external dia. from 10mm to 16mm
2.10.18.00006	HG-ST-16-25	Hose clamp stainless steel suit for external dia. from 16mm to 25mm
2.10.18.00007	HG-ST-18-32	Hose clamp stainless steel suit for external dia. from 18mm to 32mm



Accessories



2.10.01.00007
2.10.01.00019
2.10.01.00020
2.10.01.00021



2.01.71.00008



2.10.01.00022

Labtemp Order No.	Model	Description
2.10.01.00007	USB-RS485-DB9M-1.8m	RS485 control cable from device DB9 male to PC USB, Length=1.8m
2.10.01.00019	USB-RS232-DB9M-1.5m	RS232 control cable from device DB9 male to PC USB, Length=1.5m
2.10.01.00020	USB-RS485-DB9M-3m	RS485 control cable from device DB9 male to PC USB, Length=3.0m
2.10.01.00021	USB-RS485-DB9M-5m	RS485 control cable from device DB9 male to PC USB, Length=5.0m
2.01.71.00008	DB9M-RS485-1.5m	RS485 control cable from device DB9 male to external device with 2 pins port, Length=1.5m
2.10.01.00022	DB9M-RS232-DB9F-1.5m	RS232 control cable from device DB9 male to external device with DB9 female port, , Length=1.5m

IQ/OQ Documentation for Equipment Qualification

Labtemp provides installation and operational qualifications(IQ/OQ) for our product lines. Our IQ/OQ documentation includes the mandatory test protocols and standard operating procedures. Documentation is available for IQ(Installation Qualification) and OQ(Operating Qualification). The documents offered below are for new instruments. Documents for used instruments upon request.

Documentation for
IQ & OQ

Labtemp Order No.	Description
8.03.03.00027	IQ/OQ documentation for CC E&SM Series
8.03.03.00028	IQ/OQ documentation for CC SH Series
8.03.03.00029	IQ/OQ documentation for CC AM/AH Series

Rental Equipment

If you have a sudden need for additional units or a replacement unit to avoid down time, you may now rent LABTEMP equipment. Equipment in various performance categories is available. Rental period and product availability is subject to models and country. Contact us for more information or quotations



Software

The software solution for Windows PC is used for equipment control and visualization and recording process.

Communication with the temperature controller Via RS232 or RS485. The recorded data is shown on the timeline, and the axis of the icon can be scaled free.



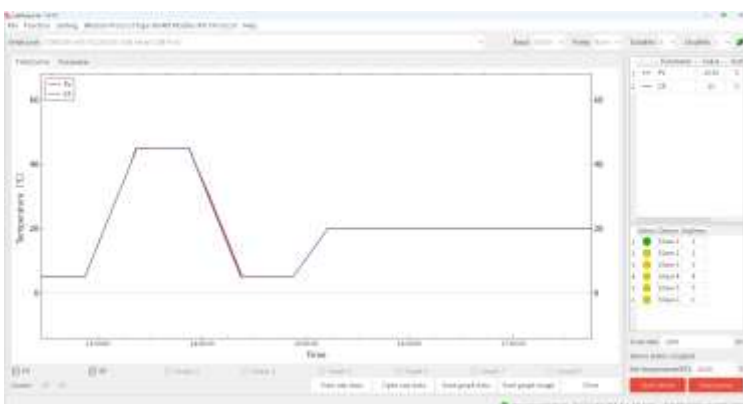
Labtemp lite Software

Labtemp Order No.	Model	Description
8.03.03.00026	Labtemp lite RS232	PC software for RS232 communication controlling and recording
8.03.03.00030	Labtemp lite RS485	PC software for RS485 communication controlling and recording



Labtemp lite RS232

Function	Description
Remote	Yes
Multi-Unit Linkage Limit	1
Data Export	Yes
Exported Data Format	xlsx, csv, pdf, txt
Raw Data Import/Export	Yes
Custom Curve Source	No



Labtemp lite RS485

Function	Description
Remote	Yes
Multi-Unit Linkage Limit	6
Data Export	Yes
Exported Data Format	xlsx, csv, pdf, txt
Raw Data Import/Export	Yes
Custom Curve Source	Yes



labtemp®
The Temperature Control Expert

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