

Recirculating Coolers

Ver. 2016 ~ 2017

Best Products for Reliable Results



JEIO TECH was established in 1988 with the goal of delivering the best laboratory equipments for the reliable results. We always strive to develop high technology with ergonomic design for better products. We are eager to take on new challenges in developing a product the best suits you!

Our reliable instruments will offer you analytical solutions in the field of biology , chemistry, medicine, pharmacology and so forth. We are driven by innovation and our extensive product lines are at the cutting-edge globally in both scientific and industrial research instrument markets.

While continuously focusing on human resources and technology, development, we strive to make a significant difference in various research areas. our top priority is to provide the world's best products and services through outstanding quality and customer satisfaction at affordable prices.

We hope you enjoy the discovery of JeioTech and it's products.

Best Products for Reliable Results

CE, UL, CSA, RoHS, GD (Good Design Award)

Jeio Tech (Lab Companion) obtained ISO 9001, ISO 13485

FDA establishment registered company. FDA listed products.



Contents



General Models

3 to 40°C

HX-20 / HX-25

HX-20H / HX-25H / HX-35H / HX-45H / HX-55H

Low Temp. Models

-20 to 40°C

HL-05 / HL-10 / HL-15 / HL-20

HL-15H / HL-20H / HL-25H / HL-35H / HL-45H / HL-55H

Advanced Low Temp. Models

-20 to 40°C

HS-15 / HS-20 / HS-25 / HS-35 / HS-45 / HS-55

HS-45H / HS-55H

High Temp. Models

-20 to 80°C

HH-15 / HH-20 / HH-25 / HH-35

HH-45H / HH-55H

Compact Models

-20 to 30°C

RS-05

Technical Benefit

Optimum Control Features

Precision



Microprocessor PID control
Highly precise temperature stability
(only for HS, HH models)

Precise temperature calibration

PC control



RS-232 Communication Interface
(for HS / HH models)

Eco-friendly refrigerant



Eco-friendly refrigerant which is
harmless to the ozone layer protect
the global environment

Safety features

Safety

Self-protecting cut-off function and signal

Low fluid level and dry-running protection

Double service valve provided to
prevent refrigerant leakage

Convenient control (for HL/HS/HH)



Intuitive and easy-to-operate
control panel with vivid and colorful VFD,
touch-sensitive buttons, and a jog dial

Keypad lock button preventing
inadvertent parameter changes

Pressure gauge



Pressure gauge comes standard with recirculating units to provide fluid system diagnostics at a glance and for observing the pump pressure (except for RC-05)

High quality #304 grade stainless inner bath and dirt repellent powder coated external surface

Stainless steel submerged parts are resistant to corrosion against all usual bath fluids

Convenient maintenance

S *tainless*
Inner chamber

P *owder*
Coated

Wide selection models



Five different model series

HX series: Eco-friendly and low maintenance
HL series: Innovative control with a dynamic pumping capacity
HS series: Adjustable cooling capacity from 1% to 100%
HH series: High temperature with integrated heaters
RC series: Cooling small laboratory equipments

Various accessories



Wide selection of accessories can be equipped with each models



Recirculating Coolers

HX-20/25/20H/25H/35H/45H/55H (3 to 40°C)

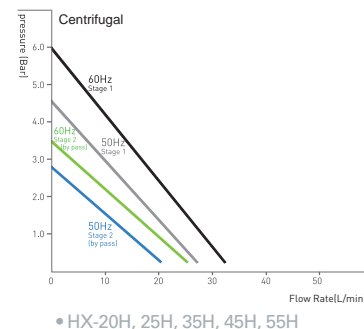
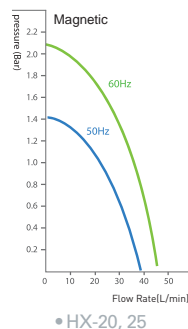
General Models

Providing a constant temperature control and high cooling efficiency

It is eco-friendly and reduces energy consumption by using the recirculator for cooling water



Pumping Capacities (bath fluid: water)



Model		HX-20		HX-25	HX-20H	HX-25H	HX-35H	HX-45H ²⁾	HX-55H ²⁾
Temperature ¹⁾ (bath fluid : water)	Working temperature range (°C / °F)	+3 to 40 / +37.4 to 104							
	Temperature stability at 15°C (±°C / °F)	1 / 1.8							
Cooling capacity (bath fluid : water)	at 20°C (kW)	1.9	2.4	1.9	2.4	3.6	4.7	7.1	
	at 10°C (kW)	1.4	1.7	1.4	1.7	3.1	3.6	5.1	
	at 5°C (kW)	1	1.4	1	1.4	2.4	2.9	4.2	
Pump	Max. flow rate (L / min, gal / min)	40 / 10.6		28 / 7.39					
	Max. pressure (bar / psi)	1.43 / 20.74		4.3 / 62.37					
Dimension	Max. filling capacity (L / cu ft)	35 / 1.24				45 / 1.59			
	For tubing dia. (mm / inch)	20 / 3/4							
	Filling inlet (Ø, mm / inch)	50 / 1.9							
	Overall (WxLxH, mm / inch)	620×785×990 / 24.4×30.9×39					745×800×1095 / 29.3×31.5×43.1		
	Net weight (kg / lbs)	93 / 205	101 / 223	97 / 214	105 / 231	120 / 265	130 / 287	140 / 309	
Electrical requirements (230V, 60Hz)		8.5A	9A	9.3A	9.8A	15A	19A		
Cat. No.		AAH64011K	AAH64021K	AAH64111K	AAH64121K	AAH64131K	AAH64141K	-	
Electrical requirements (230V, 50Hz)		7A	7.6A	7.9A	8.8A	14A			
Cat. No.		AAH64012K	AAH64022K	AAH64112K	AAH64122K	AAH64132K	-	-	
Electrical requirements (120V, 60Hz)		17A	22A						
Cat. No.		AAH64013U	AAH64023U	-	-	-	-	-	
Electrical requirements (380V, 60Hz)							10A	11.5A	
Cat. No.		-	-	-	-	-	AAH64149K	AAH64159K	
Electrical requirements (380V, 50Hz)							7A	8.5A	
Cat. No.		-	-	-	-	-	AAH64148K	AAH64158K	

1) Technical data according to DIN 12876

2) HX-45H, 55H is recorded by 380V, 60Hz.

* Above specification value is recorded by 50Hz.

* Product performance may be affected by ambient temperatures.

* FDA establishment registered company. FDA listed products.



Clear and easy-to-use LCD display (resolution 0.1°C)

Bright LED water level indicator

Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible sound

If the equipment operates at 40°C or above due to the external environment, user can simply identify the error with a visual signal or an audible sound

Pump pressure can be controlled using a by-pass function (for H type)

The refrigerating system is designed to reduce energy consumption and to maximize in refrigerating efficiency

Eco-friendly R-404A refrigerant

Double service valve is used to prevent refrigerant leakage

Removable gridded vent for reducing condenser contamination and to facilitate cleanliness.

A wide (Ø50mm / 1.97") solution inlet is for easy and safe pouring of solution into the recirculating cooler.

Pressure gauge comes standard for observing the pump pressure.

Wheels allow for easy mobility throughout the lab

Different types of pumps and valves come standard with the chiller to provide versatility

Variety of accessories are available to meet user's different lab environment needs (refer to accessories)

STANDARD

- 3/4" male to 3/4" male adapters (2ea)
- Ball valves (2ea)

Recirculating Coolers

HL-05/10/15/20/15H/20H/25H/35H/45H/55H (-20 to 40°C)

Low Temperature Models

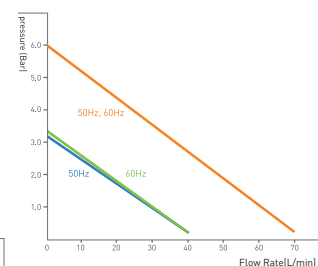
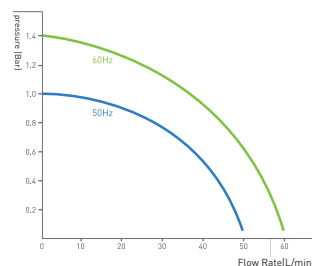
Providing a wide range of cooling capacities with temp. reliability

Innovative control system, with a dynamic pumping capacity, and ideal for external temperature applications



Pumping Capacities (bath fluid: ethylene glycol mix 1:1 water)

Submersible Pump



Model		HL-05	HL-10	HL-15	HL-20	HL-15H	HL-20H	HL-25H	HL-35H	HL-45H ²⁾	HL-55H ²⁾	
Temperature ¹⁾ (bath fluid : ethylene glycol mix 1:1 water)	Working temp. range (°C / °F)	-20 to 40 / -4 to 104										
	Temp. stability at 15°C, (±°C / °F)	1 / 1.8										
Cooling capacity (bath fluid : ethylene glycol mix 1:1 water)	at 20°C (kw)	0.6	0.7	1.45	1.8	1.45	1.8	2.5	3.3	6.5	7.1	
	at 10°C (kw)	0.5	0.6	1.15	1.5	1.15	1.5	1.8	2.3	4.5	6	
	at 0°C (kw)	0.35	0.42	0.86	1.15	0.86	1.15	1.1	1.7	3	4.1	
	at -10°C (kw)	0.18	0.32	0.62	0.85	0.62	0.85	0.65	1	2.1	2.5	
	at -20°C (kw)	0.04	0.14	0.3	0.40	0.3	0.4	0.4	0.55	1.2	1.5	
Pump	Max. flow rate (L / min, gal / min)	50 / 13.2				40 / 10.57				70 / 18.49		
	Max. pressure (bar / psi)	1 / 14.5				3.3 / 47.9				6 / 87		
Dimension	Max., filling capacity (L, cu ft)	7.5 / 0.26			13.5 / 0.47			25 / 0.88		39 / 1.37		
	For tubing dia. (mm / inch)	20 / 3/4										
	Filling inlet (Ø, mm / inch)	120 / 4.7										
	Overall (WxLxH, mm / inch)	405×620×710 / 15.9×24.4×28			515×715× 835 / 20.3×28.1×32.9				550×900×1140 / 21.7×35.4×44.9		605×1045×1300 / 23.8×41.4×51.2	
	Net weight (kg / lbs)	62.85 / 138.6	64.85 / 143	86.5 / 190.7	87.35 / 192.9	91.8 / 202.4	92.65 / 204.3	141.3 / 310.9	146.3 / 321.9	171 ±10 / 377 ±22	176 ±10 / 388 ±22	
	Electric requirement (230V, 60Hz)	5A	5.5A	6.5A	7.5A	6.5A	7.5A	9.5A	13.5A			
Cat. No.	AAH65001K	AAH65011K	AAH65021K	AAH65031K	AAH65121K	AAH65131K	AAH65141K	AAH65151K	-	-		
Electric requirement (230V, 50Hz)	4.5A	5A	6A	7A	6A	7A	7.5A	12.5A				
Cat. No.	AAH65002K	AAH65012K	AAH65022K	AAH65032K	AAH65122K	AAH65132K	AAH65142K	AAH65152K	-	-		
Electric requirement (120V, 60Hz)	10A	11A	13A	15A								
Cat. No.	AAH65003U	AAH65013U	AAH65023U	AAH65033U	-	-	-	-				
Electric requirement (380V, 60Hz)												
Cat. No.	-	-	-	-	-	-	-	-				
Electric requirement (380V, 50Hz)												
Cat. No.	-	-	-	-	-	-	-	-				

1) Technical data according to DIN 12876.

2) HL-45H, 55H is recorded by 380V, 60Hz.

* Above specification value is recorded by 50Hz.

* Product performance may be affected by ambient temperatures.

* CE except for HL-45H/55H.

* FDA establishment registered company. FDA listed products.

Bright LED water level indicator

Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible sound

If the equipment operates at 40°C or above due to the external environment, user can simply identify the error with a visual or an audible sound

Designed to simplify operation with a touch screen type display

The refrigerating system is designed to reduce energy consumption and to maximize in refrigerating efficiency

Eco-friendly R-404A / R-507 refrigerant

Double service valve is used to prevent refrigerant leakage

Removable gridded vent for reducing condenser contamination

A wide (Ø120mm / 4.72") solution inlet is for easy and safe pouring of solution into the recirculating cooler

Pressure gauge comes standard

The refrigeration system can be observed easily to diagnostic at a glance by high / low pressure gauges (for H type)

Wheels allow for easy mobility throughout the lab

Different types of pumps come standard with the recirculating cooler to provide versatility

Warning alarm/monitoring system

- Over temperature
- Lack of bath solutions

STANDARD

- 3/4" male to 3/4" male adapters (2ea)
- Ball valves (2ea)

Recirculating Coolers

HS-15/20/25/35/45/55/45H/55H (-20 to 40°C)

Advanced Low Temperature Models

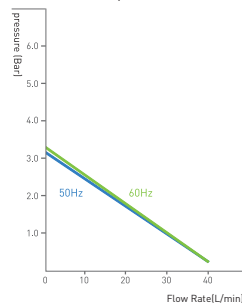
Precise PID temperature controller is beneficial for various cooling tasks

Innovative and exclusive controller can be adjusted the cooling capacity from 1% to 100%

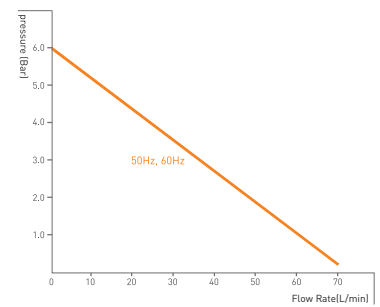


Pumping Capacities (bath fluid: water)

Submersible Pump



• HS -15, 20, 25, 35, 45, 55



• HS - 45H, 55H

Model		HS-15	HS-20	HS-25	HS-35	HS-45	HS-55	HS-45H ²⁾	HS-55H ²⁾
Temperature ¹⁾ (bath fluid : ethylene glycol mix 1:1 water)	Working temperature range (°C / °F)	-20 to 40 / -4 to 104							
	Temperature stability at 15°C, (± °C / °F)	0.2 / 0.36							
Cooling capacity (bath fluid : ethylene glycol mix 1:1 water)	at 20 °C (kw)	1.45	1.8	2.5	3.3	6.5	7.1	6.5	7.1
	at 10 °C (kw)	1.15	1.5	1.8	2.3	4.5	6	4.5	6
	at 0 °C (kw)	0.86	1.15	1.1	1.7	3	4.1	3	4.1
	at -10 °C (kw)	0.62	0.85	0.65	1	2.1	2.5	2.1	2.5
	at -20 °C (kw)	0.3	0.4	0.4	0.55	1.2	1.5	1.2	1.5
Pump	Max. flow rate (L / min, gal / min)	40 / 10.57						70 / 18.49	
	Max. pressure (bar / psi)	3.3 / 47.86						6 / 87	
Dimension	Max. filling Capacity (L, cu ft)	13.5 / 0.47		25 / 0.88		39 / 1.37			
	For tubing dia. (mm / inch)	20 / 3/4							
	Filling inlet (Ø, mm / inch)	37 / 1.4							
	Overall (W×L×H, mm / inch)	515×715× 835 / 20.3×28.1×32.9		550×900×1140 / 21.7×35.4×44.9		605×1045×1300 / 23.8×41.4×51.2			
	Net weight (kg / lbs)	91.8 / 202.4	92.65 / 204.3	141.3 / 310.9	146.3 / 321.9	168 ±10 / 370 ±22	173±10 / 381 ±22	171 ±10 / 377 ±22	176 ±10 / 388 ±22
Electric Requirement (230V, 60Hz)		6.5 A	7.5 A	9.5 A	13.5 A				
Cat. No.		AAH66011K	AAH66021K	AAH66031K	AAH66041K	-	-	-	-
Electric Requirement (230V, 50Hz)		6 A	7 A	7.5 A	12.5 A				
Cat. No.		AAH66012K	AAH66022K	AAH66032K	AAH66042K	-	-	-	-
Electric Requirement (380V, 60Hz)						5.5 A	7 A	5.5 A	7 A
Cat. No.		-	-	-	-	AAH66259K	AAH66469K	AAH66359K	AAH66569K
Electric Requirement (380V, 50Hz)						5 A	6 A	5 A	6 A
Cat. No.		-	-	-	-	AAH66258K	AAH66468K	AAH66358K	AAH66568K

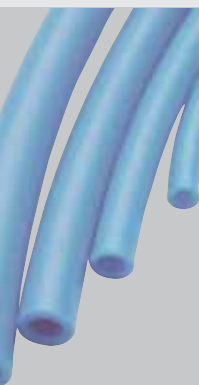
1) Technical data according to DIN 12876.

2) HS-45H, 55H is recorded by 380V, 60Hz.

* Above specification value is recorded by 50Hz.

* Product performance may be affected by ambient temperatures.

* FDA establishment registered company. FDA listed products.



As an option an external sensor can be directly installed into the cooling circuit for monitoring and regulating of temp.

Precise temperature stability ± 0.2°C (at 15°C) without heater

Bright LED water level indicator

Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible sound

If the equipment operates at 40°C or above due to the external environment, user can simply identify the error with a visual or an audible sound

Designed to simplify operation with a touch screen type display
- Setting, resolution indication 0.1°C/°F
- Quick keypad lock prevents accidental parameter changes

The refrigerating system is designed to reduce energy consumption and to maximize in refrigerating efficiency

Available external temperature sensor (Pt 100) for measured value

RS-232C and software provided

Eco-friendly R-404A / R-507 refrigerant

Double service valve for preventing refrigerant leakage

Removable gridded vent for reducing condenser contamination and to facilitate cleanliness

A wide (Ø120mm / 4.72") solution inlet is for easy and safe pouring of solution into the recirculating cooler

Pressure gauge comes standard

The refrigeration system can be observed easily to diagnostic at a glance by high / low pressure gauges (for H type)

Different types of pumps come standard with the recirculating cooler to provide versatility

Warning alarm/monitoring system

- Over temperature
- Lack of bath solutions

STANDARD

- 3/4" male to 3/4" male adapters (2ea)
- Ball valves (2ea)

Recirculating Coolers

HH-15/20/25/35/45H/55H (-20 to 80°C)

High Temperature Models

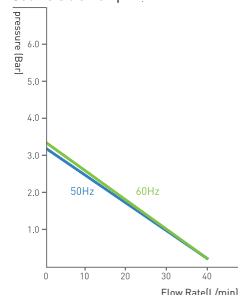
Broad temperature ranging up to 80°C for various applications

Also integrated heaters greatly provides high temperature stability

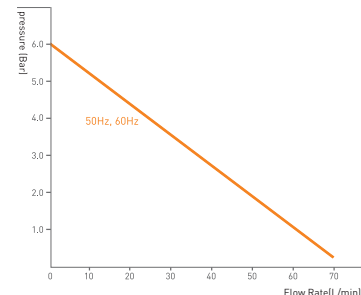


Pumping Capacities (bath fluid: ethylene glycol mix 1:1 water)

Submersible Pump



• HH-15, 20, 25, 35



• HH-45H, 55H

Model		HH-15	HH-20	HH-25	HH-35	HH-45H ²⁾	HH-55H ²⁾
Temperature ¹⁾ (bath fluid : ethylene glycol mix 1:1 water)	Working temperature range (°C / °F)	-20 to 80 / -4 to 176					
	Temperature stability at 15°C (±°C / °F)	0.1 / 0.2					
Cooling capacity (bath Fluid : ethylene glycol mix 1:1 water)	at 80°C (kw)	2	2.5	3.5	4	6	7.5
	at 40°C (kw)	0.9	1	2.4	2.5	4.5	5
	at 20°C (kw)	1.45	1.8	2.5	3.3	6.5	7.1
	at 0°C (kw)	0.86	1.15	1.1	1.7	3	4.1
Heating capacity(kw)	at -20°C (kw)	0.3	0.4	0.4	0.55	1.2	1.5
		2		4		8.4	
Pump	Max. flow rate (L / min, gal / min)	40 / 10.6				70 / 18.5	
	Max. pressure (bar / psi)	3.3 / 47.9				6 / 87.02	
Dimension	Max. filling capacity (L, cu ft)	13.5 / 0.47				25 / 0.88	
	For tubing dia. (mm / inch)	20 / 3/4				39 / 1.37	
	Filling inlet (Ø, mm / inch)	120 / 4.7					
	Overall (WxDxH, mm / inch)	515×715×835 / 20.3×28.1×32.9			550×900×1140 / 21.7×35.4×44.9		605×1045×1300 / 23.8×41.4×51.2
	Net weight (kg / lbs)	92 / 202.8	93 / 205	142 / 313	147 / 324	171±10 / 377±22	176±10 / 388±22
Electric requirement (230V, 60Hz)		15A	16A	27A	31A		
Cat. No.		AAH67011K	AAH67021K	AAH67031K	AAH67041K	-	-
Electric requirement (230V, 50Hz)		14.5A	15.5A	25A	30A		
Cat. No.		AAH67012K	AAH67022K	AAH67032K	AAH67042K	-	-
Electric requirement (380V, 60Hz)						18.3	19.8
Cat. No.		-	-	-	-	AAH67159K	AAH67169K
Electric requirement (380V, 50Hz)						17.8	19.3
Cat. No.		-	-	-	-	AAH67158K	AAH67168K

1) Technical data according to DIN 12876.

2) HH-45H, 55H is recorded by 380V, 60Hz.

* Above specification value is recorded by 50Hz.

* Product performance may be affected by ambient temperatures.

* Under the condition of no-load operation, cooling capacity should be lower than heating capacity.

* FDA establishment registered company. FDA listed products.

As an option an external sensor can be directly installed into the cooling circuit for monitoring and regulating of temp.

Precise temperature stability ± 0.1°C(at 15°C) with integrated heaters

Bright LED water level indicator

Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible sound

If the equipment operates at 80°C or above due to the external environment, user can simply identify the error with a visual or an audible sound

Designed to simplify operation with a touch screen type display

The refrigerating system is designed to reduce energy consumption and to maximize in refrigerating efficiency

Available external temperature sensor (Pt 100) for measured value

RS-232C and software provided

Eco-friendly R-404A / R-507 refrigerant

Double service valve is used to prevent refrigerant leakage

Removable gridded vent for reducing condenser contamination and to facilitate cleanliness

A wide (Ø120mm / 4.72") solution inlet is for easy and safe pouring of solution into the recirculating cooler

Pressure gauge comes standard

The refrigeration system can be observed easily to diagnostic at a glance by high / low pressure gauges (for H type)

Different types of pumps come standard with the recirculating cooler to provide versatility

Warning alarm/monitoring system

- Over temperature
- Lack of bath solutions

STANDARD

- 3/4" male to 3/4" male adapters (2ea)
- Ball valves (2ea)

Recirculating Coolers

RC-05 (-20 to 30°C)

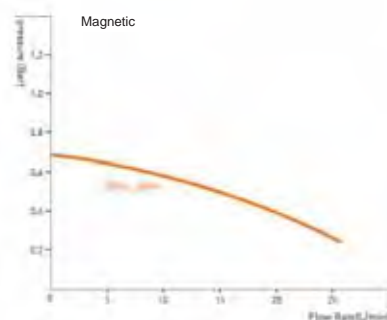
Compact Models

This compact designed model is ideal for cooling small laboratory equipments in daily use

All the operating parts are located in front for extremely easy handling



Pumping Capacities (bath fluid: ethanol)



• RC-05

Model		RC-05
Temperature ¹⁾	Working temperature range (°C / °F)	-20 to 30 / -4 to 86
	Temperature stability at 15°C (±°C / °F) (bath fluid : water)	1 / 1.8
Cooling capacity (bath fluid : ethanol)	at 20°C (kW)	0.58
	at 10°C (kW)	0.45
	at 0°C (kW)	0.35
	at -10°C (kW)	0.27
	at -20°C (kW)	0.11
Pump	Max. flow rate (L / min, gal / min)	26 / 6.87
	Max. pressure (bar / psi)	0.7 / 10.15
Dimension	Max. filling capacity (L / cu ft)	5 / 0.18
	For tubing dia. (mm / inch)	9.5 / 3/8
	Filling inlet (Ø, mm / inch)	37 / 1.4
	Overall (WxLxH, mm / inch)	300x550x530 / 11.8x21.7x20.9
	Net weight (kg / lbs)	45 / 99.2
Electrical requirements (230V, 60Hz)		4A
Cat. No.		ACH651011K
Electrical requirements (230V, 50Hz)		4A
Cat. No.		ACH651012K

1) Technical data according to DIN 12876.

* Above specification value is recorded by 60Hz.

* Product performance may be affected by ambient temperatures.



Clear and easy-to-use LCD display (resolution 0.1°C)

Bright LED water level indicator

Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible sound

If the equipment operates at 30°C or above due to the external environment, user can simply identify the error with a visual signal or an audible sound

Compact design for space saving. The unit is suitable for stable temperature adjustment of compact devices such as rotary evaporators in laboratory

The refrigerating system is designed to reduce energy consumption and to maximize in refrigerating efficiency

Eco-friendly R-507 refrigerant

Double service valve is used to prevent refrigerant leakage

Removable gridded vent for reducing condenser contamination and to facilitate cleanliness

A wide (Ø37mm / 1.46") solution inlet is for easy and safe pouring of solution into the recirculating cooler

Variety of accessories are available to meet user's different lab environment needs (refer to accessories)

Accessories

For detailed information of accessories, please refer to the page 11.

Barbed fittings

Cat. No.	Description
HXE1066	3/4" male to barbed fitting for tubing 1" inner dia.
HXE1067	3/4" male to barbed fitting for tubing 3/4" inner dia.
HXE1068	3/4" male to barbed fitting for tubing 5/8" inner dia.
HXE1069	3/4" male to barbed fitting for tubing 1/2" inner dia.
HXE1070	3/4" male to barbed fitting for tubing 3/8" inner dia.
AAA64501	1" barbed fittings set with ball valve
AAA64502	3/4" barbed fittings set with ball valve
AAA64503	5/8" barbed fittings set with ball valve
AAA64504	1/2" barbed fittings set with ball valve
AAA64505	3/8" barbed fittings set with ball valve
AAA64506	1" barbed fittings set with gate valve
AAA64507	3/4" barbed fittings set with gate valve
AAA64508	5/8" barbed fittings set with gate valve
AAA64509	1/2" barbed fittings set with gate valve
AAA64510	3/8" barbed fittings set with gate valve

Connectors / Adapters

Cat. No.	Description
HXE1105	3/4" male to 3/4" female
HXE1106	3/4" male to 5/8" female
HXE1107	3/4" male to 1/2" female
HXE1108	3/4" male to 3/8" female
HXE1109	3/4" male to 3/4" male
HXE1110	3/4" male to 5/8" male
HXE1111	3/4" male to 1/2" male
HXE1112	3/4" male to 3/8" male

One touch adapters set

Cat. No.	Description
HXE1075	12mm one touch adapter ID. 9mm, OD. 12mm
HXE1076	10mm one touch adapter ID. 6.5mm, OD. 10mm
HXE1077	8mm one touch adapter ID. 5.5mm, OD. 8mm
HXE1078	6mm one touch adapter ID. 4mm, OD. 6mm
AAA64531	12mm adapters set with ball valve
AAA64532	10mm adapters set with ball valve
AAA64533	8mm adapters set with ball valve
AAA64534	6mm adapters set with ball valve

Flexible fittings

Cat. No.	Description
HXE1071	3/4" male to 3/4" flexible fitting
HXE1072	3/4" male to 1/2" female with 1/2" male to 1/2" flexible fitting
AAA64521	3/4" flexible fittings set with ball valve
AAA64522	1/2" flexible fittings set with ball valve
AAA64523	3/4" flexible fittings set with gate valve
AAA64524	1/2" flexible fittings set with gate valve

Bath fluid

Cat. No.	Description
HXE1113	Distilled water (20L)
HXE1114	Ethylene glycol (4L)
HXE1115	Ethylene glycol (20L)

Tubings

Cat. No.	Description
HXE1079	1m 12mm urethane tubing ID. 9mm, OD. 12mm
HXE1080	1m 10mm urethane tubing ID. 6.5mm, OD. 10mm
HXE1081	1m 8mm urethane tubing ID. 5.5mm, OD. 8mm
HXE1082	1m 6mm urethane tubing ID. 4mm, OD. 6mm
HXE1083	1m 1" PVC tubing with thread ID. 25mm, OD. 31mm
HXE1084	1m 3/4" PVC tubing with thread ID. 19mm, OD. 24mm
HXE1085	1m 5/8" PVC tubing with thread ID. 16mm, OD. 20.5mm
HXE1086	1m 1/2" PVC tubing with thread ID. 12mm, OD. 16.0mm
HXE1087	1m 3/8" PVC tubing with thread ID. 10mm, OD. 14mm
HXE1088	1m 1" PVC tubing with wire ID. 25mm, OD. 33mm
HXE1089	1m 3/4" PVC tubing with wire ID. 19mm, OD. 26mm
HXE1090	1m 5/8" PVC tubing with wire ID. 15mm, OD. 22mm
HXE1091	1m 1/2" PVC tubing with wire ID. 12mm, OD. 18mm
HXE1092	1m 3/8" PVC tubing with wire ID. 9mm, OD. 15mm

Tubing insulations

Cat. No.	Description
HXE1093	EPDM insulation, 16mm inner dia. (9T)
HXE1094	EPDM insulation, 19mm inner dia. (9T)
HXE1095	EPDM insulation, 25mm inner dia. (9T)
HXE1096	EPDM insulation, 28mm inner dia. (9T)
HXE1097	EPDM insulation, 35mm inner dia. (9T)

Flexible tubing

Cat. No.	Description
HXE1073	3/4" flexible tubing (SUS 304, m)
HXE1074	1/2" flexible tubing (SUS 304, m)

Distributing fittings

Cat. No.	Description
AAA64541	3-way distributing barbed fittings set (1/4")
AAA64542	3-way distributing barbed fittings set (3/8")

Tube clamps

Cat. No.	Description
HXE1098	1" clamp
HXE1099	3/4" clamp
HXE1100	5/8" clamp
HXE1101	1/2" clamp
HXE1102	3/8" clamp

External sensor (for HS, HH)

Cat. No.	Description
CFA1946	3m cable for Pt 100 sensor



- / Autoclaves
- / Baths & Circulators
- / Desiccators
- / Furniture
- / Hoods
- / Incubators
- / Ovens
- / Pumps
- / Recirculating Coolers (Chillers)
- / Refrigerators & Freezers
- / Rotator
- / Shakers
- / Heating & Cooling Blocks
- / Hotplates & Stirrers
- / Vortex mixers
- / Temperature Chambers
- / Temperature & Humidity Chambers
- / Electrophoresis Systems
- / Pipettes
- / Ultrasonic Cleaners
- / Plasticware & Others