

Thermo-chiller

Our highlighted product for you

Circulating fluid temperature controller, thermo-chiller compact type

HRS Series



- Temperature stability: ± 0.1 °C
- Temperature range setting: 5 to 40 °C
- Lightweight 43 to 73 kg
- Easy maintenance: tool-less maintenance of filter
- Self diagnosis function and check display
- Convenient functions:
 - Timer operation function
 - Low tank level detecting function
 - Power failure auto-restart function
 - Anti-freezing operation function
- Communication function: RS232C, RS485 and contact I/Os as standard
- HRS030 and HRS060 models available.

Part number	Cooling method	Cooling / heating capacity (50 Hz)	Pipe thread type	Power supply
HRS012-AF-20 ●	Air-cooled refrigeration	1100 W / 530 W	G (with PT-G conversion fitting set)	Single-phase 200 to 230 VAC (50/60 Hz)
HRS018-AF-20 ●		1700 W / 530 W		
HRS024-AF-20 ●		2100 W / 530 W		
HRS030-AF-20 ●		2600 W / 600 W		
HRS050-AF-20 ●		4700 W / 1100 W		
HRS060-AF-20 ●		4900 W / 1000 W		
HRS012-WF-20 ●	Water-cooled refrigeration	1100 W / 530 W		
HRS018-WF-20 ●		1700 W / 530 W		
HRS024-WF-20 ●		2100 W / 530 W		
HRS030-WF-20		2600 W / 400 W		
HRS050-WF-20 ●		4700 W / 1000 W		
HRS060-WF-20		4900 W / 1000 W		

Circulating fluid temperature controller, thermo-chiller, standard type

HRS090 Series



- Temperature stability: $\pm 0.5\text{ }^{\circ}\text{C}$
- Temperature range setting: 5 to 35 $^{\circ}\text{C}$
- Lightweight 136 kg
- Easy maintenance: tool-less maintenance of filter
- Self diagnosis function and check display
- Convenient functions:
 - Timer operation function
 - Unit conversion function
 - Power failure auto-restart function
 - Anti-freezing operation function
- Communication function: RS232C, RS485 and contact I/Os as standard.

Part number	Cooling method	Cooling / heating capacity (50 Hz)	Pipe thread type	Power supply
HRS090-AF-40 ●	Air-cooled refrigeration	8000 W / 1700 W	G (with RC-G conversion fitting)	3-phase 380 to 415 VAC (50/60 Hz)
HRS090-WF-40	Water-cooled refrigeration	9000 W / 1700 W		3-phase 380 to 415 VAC (50/60 Hz)

Circulating fluid temperature controller, thermo-chiller standard type

HRS100/150 Series



- Temperature stability: $\pm 1.0\text{ }^{\circ}\text{C}$
- Temperature range setting: 5 to 35 $^{\circ}\text{C}$
- Outdoor installation: IPX4
- Heating function available even with no heater
- Self diagnosis function and check display
- Convenient functions:
 - Timer operation function
 - Warming-up function
 - Power failure auto-restart function
 - Anti-freezing operation function
- Communication function: RS232C, RS485 and contact I/Os as standard.

Part number	Cooling method	Cooling / heating capacity (50 Hz)	Pipe thread type	Power supply
HRS100-AF-40 ●	Air-cooled refrigeration	9000 W / 1700 W	G (with RC-G conversion fitting)	3-phase 380 to 415 VAC (50/60 Hz)
HRS150-AF-40 ●		13000 W / 2500 W		
HRS100-WF-20	Water-cooled refrigeration	10000 W / 1700 W		3-phase 380 to 415 VAC (50/60 Hz)
HRS150-WF-20		14000 W / 2500 W		

Circulating fluid temperature controller, thermo-chiller basic type

HRSE Series



- Temperature stability: ± 2.0 °C
- Temperature range setting: 10 to 30 °C
- Energy saving by triple control
- Lightweight 35 kg
- Self diagnosis function and check display
- 2-step operation
- Maintenance free magnet pump.

Part number	Cooling method	Cooling capacity	Port size	Power supply
HRSE012-A-23 ●	Air-cooled refrigeration	1000 W (50 Hz)	Rc1/2	Single-phase 230 VAC (50/60 Hz)
HRSE018-A-23 ●		1400 W (50 Hz)		
HRSE024-A-23 ●		1900 W (50 Hz)		

Circulating fluid temperature controller, thermo-chiller, inverter type

HRSH Series



- Temperature stability: ± 0.1 °C
- Temperature range setting: 5 to 35 °C (5 to 40 °C for HRSH090)
- Energy saving by triple inverter
- Outdoor installation: IPX4 (Except for HRSH090)
- Self diagnosis function and check display
- Convenient functions:
 - Timer operation function
 - Unit conversion function
 - Power failure auto-restart function
 - Anti-freezing operation function
- Communication function: RS232C, RS485 and contact I/Os as standard.

Part number	Cooling method	Cooling / heating capacity	Pipe thread type	Power supply
HRSH090-AF-20-S	Air-cooled refrigeration	9500 W / 2500 W	G (with RC-G conversion fitting)	3-phase 200 (50 Hz), 3-phase 200 to 230 VAC (60 Hz)
HRSH090-AF-40 ●		9500 W / 2500 W		3-phase, 380 to 415 VAC (50/60 Hz)
HRSH100-AF-20-S		10500 W / 2500 W		3-phase, 200 (50 Hz), 3-phase 200 to 230 VAC (60 Hz)
HRSH150-AF-20-S		15700 W / 3000 W		
HRSH200-AF-20-S		20500 W / 5500 W		
HRSH250-AF-20-S		25000 W / 7500 W		3-phase, 380 to 415 VAC (50/60 Hz)
HRSH300-AF-20-S		25000 W / 7500 W		
HRSH100-AF-40 ●		10500 W / 2500 W		
HRSH150-AF-40 ●		15700 W / 3000 W		
HRSH200-AF-40 ●		20500 W / 5500 W		
HRSH250-AF-40 ●		25000 W / 7500 W		
HRSH300-AF-40		25000 W / 7500 W		
HRSH090-WF-20-S	Water-cooled refrigeration	11000 W / 2500 W	G (with RC-G conversion fitting)	3-phase, 200 (50 Hz), 3-phase 200 to 230 VAC (60 Hz)
HRSH090-WF-40		11000 W / 2500 W		3-phase, 380 to 415 VAC (50/60 Hz)
HRSH100-WF-20-S		11500 W / 2500 W		3-phase, 200 (50 Hz), 3-phase 200 to 230 VAC (60 Hz)
HRSH150-WF-20-S		15700 W / 3500 W		
HRSH200-WF-20-S		20600 W / 4000 W		
HRSH250-WF-20-S		24000 W / 7200 W		3-phase, 380 to 415 VAC (50/60 Hz)
HRSH100-WF-40		11500 W / 2500 W		
HRSH150-WF-40		15700 W / 3500 W		
HRSH200-WF-40		20600 W / 4000 W		
HRSH250-WF-40		24000 W / 7200 W		

Our highlighted product for you

Peltier-type chiller, thermo-con / rack mount type

HECR Series



- Temperature stability: ± 0.01 °C to 0.03 °C
- Temperature range setting: 10 to 60 °C
- Mountable in a 19-inch rack
- Self diagnosis function and check display
- It is easy to start up in 3 steps and to control, with 14 different alarm codes
- Maintenance free magnet pump
- Communication function: RS232C and RS485.

Part number	Radiating method	Cooling / heating capacity	Power supply	Option	Port size
HECR002-A5-F ●	Air-cooled	200 W / 600 W (Tap water)	Single-phase 100 to 240 VAC (50/60 Hz)	With flow switch	Rc1/4
HECR004-A5-F		400 W / 1000 W (Tap water)			Rc3/8
HECR006-A5-F		510 W / 1200 W (Tap water)			
HECR008-A5-F ●		800 W / 1400 W (Tap water)			
HECR010-A2-F ●		1000 W / 2000 W (Tap water)	Single-phase 200 to 240 VAC (50/60 Hz)	High pressure pump mounted	
HECR010-A2-P				With flow switch and high pressure pump mounted	
HECR010-A2-FP	Water-cooled	800 W / 1400 W (Tap water)	Single-phase 100 to 240 VAC (50/60 Hz)	With flow switch	Rc3/8
HECR008-W5-F		1200 W / 2000 W (Tap water)	Single-phase 200 to 240 VAC (50/60 Hz)	High pressure pump mounted	
HECR012-W2-F				With flow switch and high pressure pump mounted	
HECR012-W2-P					
HECR012-W2-FP					