



- Standing type
- LCD Touch Display
- Automated, easy operation
- PLC program machine interface
- 10 stage temperature program control
- Can measure the temperature of reaction kettle body
- High temperature over protected

APPLICATIONS:

Circulating device which provides cold source and heat source has wide working range, and can be used in many industries such as pharmacy, chemical industry and biology. It provides cold source and heat source for reaction kettle and groove, etc and can be used in heating and cooling for other equipments.

FEATURES:

- It is divided into three systems: refrigerating system, heating system, precooling system. Three systems can be used continuously and also can be used separately.
- Heating and cooling quickly, and temperature can be increased and lowered continuously.
- The temperature control range is wide, no need of changing heat-conducting medium in the whole course and the consumption of heat-conducting medium is little.
- The complete closed circulating system is not easy for the heat transfer fluid to volatilize and oxidize at high temperature, or to absorb moisture in the air at low temperature, which can make the service life of heat transfer fluid longer.

- High temperature cooling and refrigeration function can lower from high temperature level directly (e.g.: can lower temperature from 200° C directly) .
- Refrigeration heat exchanger adopts complete brazing type, whose occupied space is small and the efficiency of heat exchanging is high.
- Liquid level display function can monitor the liquid level at any time to avoid lacking of liquid.
- Multiple protection functions including high temperature cut off, scram, time delay, creepage, overcurrent, over heating can fully ensure the safety in use.
- The way of condenser and pre-cooling is air-cooling, saving the water resources

TECHNICAL PARAMETERS

Model	Temp. Range (°C)	Heating Power (KW)	Cooling capacity (KW)								Circulating pump		Dimensions (mm) (L××H)
			200°C	10°C	-10°C	-20°C	-30°C	-40°C	-60°C	-80°C	Flow (L/min)	Lift (m)	
HRHC-20-200-30	-30~200	3	1.7	2.6	1.1	0.7	0.3	-	-	-	30	10	695×655×1370
HRHC-20-200-40	-40~200	3	1.7	4.78	3.67	2.31	1.1	0.48	-	-	30	10	700×680×1400
HRHC-20-200-80	-80~200	3	1.7	6.95	3.6	2.6	1.6	0.79	0.32	0.11	30	10	1047×785×1600
HRHC-50-200-30	-30~200	6	3	10	4.6	2.5	1.0	-	-	-	30	10	830×710×1420
HRHC-50-200-40	-40~200	6	3	20	12.3	7.8	4.4	1.6	-	-	30	10	850×750×1500
HRHC-50-200-80	-80~200	6	3	13	7.0	5.0	2.5	1.3	0.6	0.2	90	90	1047×785×1656
HRHC-80-200-40	-40~200	9	3	40	16	10	6.0	2.5	-	-	90	90	1000×800×1500
HRHC-100-200-30	-30~200	12	3	8.2	6.2	4.5	2.5	-	-	-	90	15	1237×945×1592
HRHC-100-200-40	-40~200	12	3	18	12	7.3	4.0	1.7	-	-	90	15	1237×945×1592
HRHC-100-200-80	-80~200	12	3	8.2	6.2	4.5	2.5	5.0	3.0	3.0	90	15	1047×850×1656

Hermetic Refrigerating and Heating Circulators



the best solution

- vacuum
- reaction kettle
- hermetic refrigerating and heating circulators