STALWART

Recirculating Chiller
SCH-410



Introduction

This product is mechanically cooled by a fully closed compressor. The inner wall of the cooling tank has a cooling copper coil. The refrigerant(Freon) circulates continuously through the coil of the inner wall of the tank to cool the refrigerant in the tank, and the refrigerant is transported to the sandwich or condensing coil of the supporting equipment through the built-in circulation pump and external circulation pipeline. Indirectly cooling the materials in the reactor, cooling and liquefaction of the condensing pipe contact steam.

This product can generally be connected to the sandwich of the double layer reaction kettle, the rotary evaporator, the condensing coil of the reaction kettle, and can also be used to put the object or container to be cooled directly into the bath for reaction.

From the lower outlet pipeline of the product is connected to the lower inlet pipeline of the kettle body or condenser, and the circulating liquid comes out from the upper circulation port and returns to the inlet of the product through the pipeline, forming a complete circulation space.

Features

- Famous manufacturers of original closed compressor, advanced performance, reliable quality.
- Professional relays, protectors, capacitors, etc., are well-known brands of high-quality equipment to ensure reliability and service life.
- Digital display temperature control, simple operation, eye-catching.
- A variety of functions, can provide low temperature quality cooling water, low temperature unfrozen liquid, small low temperature water bath.
- Can be combined with circulating water type multi-purpose vacuum pump, vacuum freeze-drying oven, rotary evaporator, magnetic stirrer and other instruments, suitable for multi-functional low temperature conditions of chemical reactions.
- It can be matched with a variety of large precision equipment to overcome the difficulty of expensive instruments and equipment that can not be used because of bad cooling water, high temperature and unstable water pressure.

Specification

Model	SCH-410
Temp. Display	LED display
Tank Volume	4L
Matching Reaction Kettle(Steam)	1~2L
Tank Material	304 stainless steel
Tank Size	220*155*120mm
Temp. Control Accuracy	±0.1 °C
Display Temp. Resolution	0.1°C
Pump Lift	1.5~2.7m
Circulating Pump Flow	8~16L/min
Refrigerant	R290
Refrigerating Capacity	450~260W
Pressure	≤0.4Mpa
Ambient Relative Humidity	70%, Ventilation
Instrument Temp. Control Range	-20°C~RT
Optimum Ambient Temp.	5~35°C
Unload Min Temp.	-20°C
Circulation Pump Power	10W
Circulating Pump	Magnetic pump
Circulating Water Mouth Interface	Outer diameter 12mm
Sensor	PT100
Coil Diameter	\
Opening Size	\
Power Supply	AC220V, 50/60Hz
Secure Protection	Overload protection, Overheating protection, Refrigerator delay protector
External Size(W*D*H)mm	520*250*560
Package Size(W*D*H)mm	580*300*570
Gross Weight(kg	30
Accessories	In and out joint*1 Silicone pipe insulation*2