



VOWS CRAFT INT CO., LTD.  
บริษัท วอส์ คราฟท์ อินท์ จำกัด

## CHILLER VC-2009X



### VC-2009X Low temperature cooling circulation pump

#### 1.Application :

- The VC series high-temperature and low-temperature cooling circulation pumps are circulation devices that provide heat sources and cold sources for reactors, rotary evaporators, and other equipment. They are laboratory instruments with dual heating and cooling functions. They are primarily used in the chemical, pharmaceutical, and biological industries to complement glass reactors, rotary evaporators, fermenters, and calorimeters. They are also used in research departments, universities, factory laboratories, and metrology and quality inspection departments for petroleum, metallurgy, medicine, biochemistry, physical properties testing, and chemical synthesis research.

#### 2.Product Features :

- Imported compressors are equipped with proportional refrigeration technology and PID technology, which extend the service life of the refrigeration system and improve energy efficiency;
- Built-in pressure suction pump, high flow rate, long head, stable water flow, can withstand temperatures of 80~300°C for long periods of time;
- High-temperature direct cooling technology (CIT technology) enables direct cooling even at high temperatures;



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- The pump head supports short-term idling to prevent operational errors and allows for testing of the equipment;
- Equipped with a drain outlet to prevent accidents;
- Resistant to metal and non-metal hard impurities and externally introduced fibres, with a long service life;
- Imported temperature sensor: Four-wire imported PT100 temperature sensor, capable of single-point, two-point, and three-point temperature calibration;
- Low liquid level protection: Alarms can be set to alert with both lights and sound.

### 3. Technical Parameters :

Parameter	Value
Model	VC-2009X
Item No.	1031009001
Tank Capacity (L)	9
Temperature Range (°C)	-20~100
Temperature fluctuation (°C)	±0.5
Cooling Power (W)	1000
Cooling Capacity (W)	1200
Refrigerant	R404A
Heating Power (W)	1500
Temperature Display	TFT
Setting Mode	Touch Screen
High-temperature direct cooling	Support
Safety Protection	Low liquid level protection, high temperature protection, over-temperature protection
Operating temperature (°C)	5~32
Power Supply/V	200~230



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Parameter	Value
Cycle mode	External circulation
Flow L/min	22
Pump pressure/bar	1
Head M (Max./rated)	10/8
Loop interface	10mm pagoda connector
Dimensions mm (W*D*H)	300x500x620
Packing Dimension mm	380*580*800
NW/kg	35
GW/kg	43

#### 4.Packing List :

Name	Quantity
Main Host	1 pcs
8*12 Insulation pipe	1.8m * 2 pcs
Certificate of Conformity (including warranty card)	1 pcs
User Manual	1 pcs