

CF series Refrigerated Chiller

CF 系列水冷制冷机组



Used for high-tech precision applications, such as medical and optical equipment.

The condensing unit has an efficient COP and excellent durability, as it precisely controls temperature to assure the accuracy and stability of high-tech equipment.

应用于医疗、光学等精密设备。对设备中流体介质进行降温冷却（或保持恒温）。该型制冷机组不仅具备良好的高能效比、优异的可靠性，更具有出色的控温精度，保证了医疗、光学设备精准、稳定的运行。

Compressor	Nominal Capacity	Evaporating temp.	Condenser	Evaporator
Rotary compressor	Up to 5000 W	-5°C to +55°C	Air cooled compact condenser, assembled with inner-grooved copper tubes	Brazed plate heat exchanger

FEATURES:

- * Equipped with a high-efficiency, low-maintenance rotary compressor, easy maintenance and high efficiency
- * Nominal capacity up to 5000 W; evaporating temp. -5°C to +55°C
- * Air-cooled condenser's optimized fan size enables air-flow across entire coil surface. Hydrophilic coated fins prevent corrosion
- * The brazed plate heat exchanger as evaporator is durable, compact and low-cost to operate
- * Uses electrical expansion valve (EEV) at both inlet and outlet of condenser. Under cooling conditions, two EEVs can adjust the evaporator coolant temperature; under heating conditions, close the EEV at condenser inlet, to make coolant directly flow into evaporator

- * 配备转子压缩机，维护成本低、能效比高
- * 名义制冷量最高可达 5000 W，应用蒸发温度范围 -5°C to +55°C
- * 冷凝器上装配了经过优化的电机，使风量可完全覆盖冷凝器管路，亲水翅片增强了冷凝器的耐腐蚀性
- * 蒸发器采用焊钎板式换热器，相比传统铜管翅片式换热器具有可靠性高、结构紧凑体积小、使用成本低等优点
- * 在冷凝器的进出端各配备电子膨胀阀，在制冷模式下，两个电子膨胀阀可通过相互调节流量来控制流入蒸发器的冷媒的温度；而在制热模式下，冷凝器入口端的电子膨胀阀关闭，从压缩机喷出的高温冷媒直接流入蒸发器，以实现制热的功能