



CHS SERIES

Data Center Constant Humidity Equipment



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COMPANY PROFILE

Coolnet focuses on the R&D, production, and application of data center integrated solutions. As technical consulting, product supply, system integrator, and service provider, it is committed to serving customers in the fields of communication equipment rooms, data centers, smart construction, and energy management.

Our solutions include data center temperature, humidity, and energy-saving solutions, small and medium-sized computer room temperature control solutions, micro-module data center solutions, micro-module cabinet solutions, container, and modular data center solutions, communication outdoor cabinet temperature control and energy saving Solutions, cabinet temperature and humidity, and energy-saving solutions.

Has rich research and manufacturing experience in the field of data center equipment, with world-class laboratories, production testing equipment, and a complete line of key equipment rooms. And passed the ISO9001 quality management system certification, ISO14001 environmental management system certification, and the products have passed CE certification, CCC certification, CQC certification, CRAA quality certification, etc.

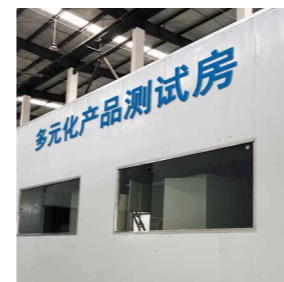
We are committed to "paying attention to customer needs and realizing customer value" and establishing a win-win cooperation pattern with customers. To become your most trustworthy, most grateful, most professional, most practical, and most reliable partner with the best vision. We will "make every effort to provide value for money products and services to make customers more competitive", and continue to explore and innovate.

20000+m²
Company factory area

38 +
Authorized copyright

4
Computer room laboratory

400 +
Partner



CHS Series

Constant Humidity /Humidifying and Dehumidifying Integrated

Product Description

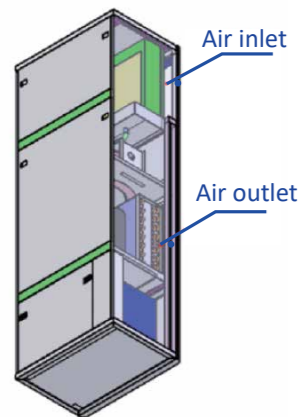
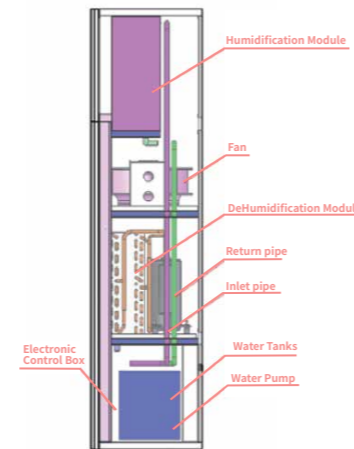
The Constant humidity machine is the company's latest product. It is applied to maintain constant humidity in computer rooms and archives. With microcomputer technology, software and hardware redundancy and fault-tolerant design, LCD display control system, and modular design. Configured with a remote monitoring system and standard water leakage alarm control system, the new design makes the equipment structure more optimized and realizes the miniaturization of multi-functional equipment. The large capacity built-in water tank makes it more convenient for operation.

Application

- ▶ Telecom IT Room
- ▶ GMP Clean Room
- ▶ Switch Room
- ▶ Electronic Precision Machining Workshop
- ▶ Network Room

Advantages

- 1 Adopts 7-inch touch screen display, and the humidity control RH10-95%.
- 2 Microcomputer control with humidity control accuracy 1%.
- 3 Control modes: automatic mode, dehumidifying mode and humidify mode. With automatic defrost function and low water level protection function.
- 4 Adopts international brand rotary compressor, low noise, reliable operation and high energy efficiency.
- 5 Using 380V power supply, 3 minutes compressor delay protection, phase sequence protection, sensor fault indication error code and other devices.
- 6 Using high-efficiency 5090 wet curtain, the humidification is better.
- 7 Adopts high-efficiency copper-sheathed aluminum plate heat exchanger. The heat exchanger has compact structure, good pressure resistance and high heat exchange efficiency.
- 8 Adopts centrifugal fan system for air conditioning, which is characterized by large air volume, low friction, noise, and long service life.



Core Components

The internationally recognized Swedish Munters company's CELdek evaporative cooling pad. The wet-film humidifying has good water absorption, water adhesion, and water immersion properties and can effectively purify particles in the air. With features of good ventilation, corrosion resistance, and low wind resistance.

Structure A: Professionally designed cabinet, streamlined appearance design, easy to move, beautiful and elegant, very suitable for use in data center and archives environments.
Structure B: The key parts (such as main fan, compressor, refrigeration section, water pump, etc.) are all selected from good and qualified manufacturers, and have been strictly tested by our company before installation.

Technical Parameters

Model CHS	03-10	06-20	10-20
Air supply	F/U	F/U	F/U
Power Supply	220Vac/1Ph/50Hz	380Vac/3Ph/50Hz	380Vac/3Ph/50Hz
Fan			
Fan Type	EC Centrifugal Fan		
Fan Quantity	1	1	1
Excess Pressure Outside (Pa)	Standard Pressure is 20pa Adjustable From 0-50pa		
Compressor			
Compressor Type	Rotary	Scroll	Scroll
Refrigerant	R410A		
Compressor Quantity	1	1	1
Dehumidifier			
Dehumidification Capacity (L/24h)	80	160	240
Dehumidification Air Volume (m³/h)	1300	1900	2500
Dehumidification power (KW)	1.80	2.96	3.96
Humidifier			
Type	Wet Film Humidifier		
Humidification capacity (kg/h)	10	20	20
Humidification Air Volume (m³/h)	3000	5000	5000
Humidification Power (KW)	0.80	1.40	1.40
Humidification Parameters			
Type	Thermal Expansion Valve		
Air Filter	G4 Plate Filter		
Indoor Unit Noise (dBA)	63	66	66
Unit Connection Pipe			
Water Filling Method	Automatic		
Drainage Method	Automatic		
Water Filling Pipe (DN)	15	15	15
Drainage Pipe (DN)	20	20	20
Electrical Parameters			
Maximum Operating Current (A)	16	11	14
Power Cable (mm²)	3*2.5	5*2.5	5*2.5
Indoor Unit Structure Parameters W*D*H (mm)			
Dimension	990*900*2000		
Weight(kg)	220	240	240