

Air-cooling Chamber

SACC-3000+Return Air Cover (Option)



Refer carefully to this manual before operation.



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SACC-A-R2 Series

■ Coding Principle

SACC - xxxx



■ Features

Standard configuration

- Equipped with reverse phase, default phase, overload and high temperature protection. Both alarm buzzer and warning light would send failure warning to make operation secure and reliable.
- Outlet air temperature is adjustable within 11~16°C. With temp. control displayer, it can immediately display outlet air temperature.
- Equipped with the pull-out air filter which has simple structure and is convenient to clean filter screen.
- Equipped with negative pressure detector to monitor air suction channel to effectively prevent filter screen from blockage.

Accessory option

- Return air cover is optional for recycling output cold air.



Control Panel



Return Air Cover (Option)

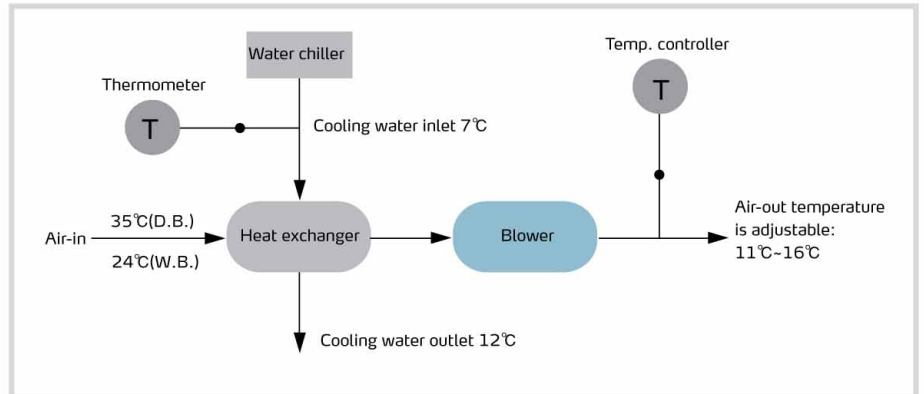
■ Application

SACC series adopts efficient heat exchanger to fulfill interchange of heat between inlet air and chilling water, which lowers inlet air and dew-point temperature to output air with temperature of 11~16°C. This series are applicable for plastics molding, especially for cold-air stereotype of bag blaster, molds dehumidification and preventing moisture condensation of moulds.

■ Working Principle

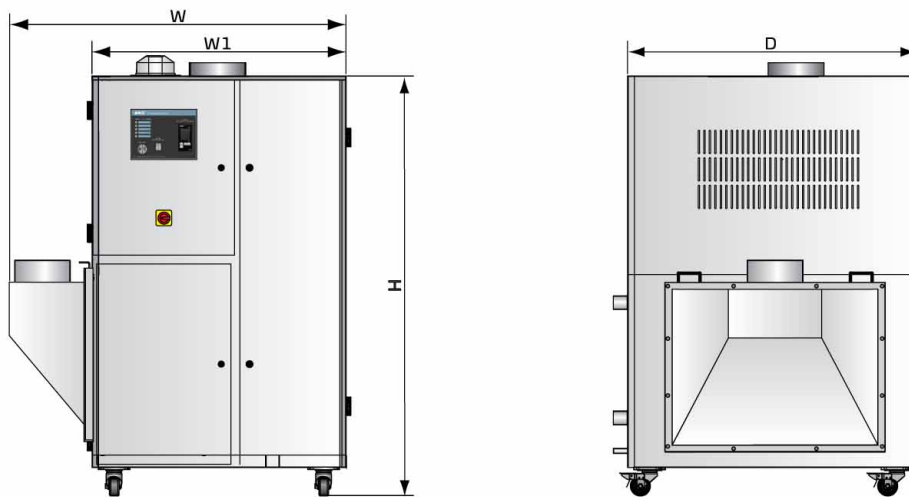
SACC needs to work with water chillers or chilling water system and uses heat exchanger with chilling water to finish heat exchange and dehumidification of high temperature inlet air. Centrifugal blower will absorb air first, and then send out cold air which is processed through its outlet. Then, chilling water which finished heat exchange is sent back to water chillers or chilling water system through chilling water outlet for cycle use.

Before SACC starting up, its chilling water inlet should connect with chilling water outlet of water chillers or chilling water system while its chilling water outlet should connect with inlet of water chillers or chilling water system. Different temperatures of outlet air can be achieved by adjusting flow of inlet chilling water and cold water temperature. Once turn on SACC, chilling water



begins to circulate in heat exchanger and centrifugal blower form the closed channel by integrating air collecting cover, heat exchanger and air inlet joint. Then closed channel would absorb external high-temp. air into heat exchanger to exchange heat with chilling water and to get high-temp. air dehumidified. Inlet air which is refrigerated enters centrifugal blower through air collecting cover, and then comes out from cold air outlet of blower. The temp. of outlet cold air can be detected and displayed via temp. controller. Return air cover is optional for recycling the outlet cold air.

■ Dimensions



■ Specifications

Model	Max. Air Throughput (m ³ /hr)	Cold air Capacity (kW)	Power of Blower (kW)	Collocating With Chillers (HP)	Outlet Air Temp. (°C)	Chilling Water Caliber (inch)	Drain Caliber (inch)	Cold air Caliber (inch)	Dimensions H×W×D (mm)	Net Weight (kg)
SACC-1000	1,000	13.5	0.55	8 / 5	11 / 13.5	1.5	1.5	8	1100×1000×960	240
SACC-2000	2,000	27.5	0.75	12.5 / 10	11 / 14	2	2	8	1420×1100×1000	280
SACC-3000	3,000	40	1.5	15 / 12.5	11 / 16	2	2	10	1650×1280×1100	310
SACC-4000	4,000	55	2.2	25 / 20	11 / 14	2	2	10	1720×1600×1430	380

Notes: 1) Maximum throughput above is based on test without return air cover.

2) Power Supply: 3Φ, 400VAC, 50Hz

We reserve the right to change specifications without prior notice.

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