

SAS

Drying and ageing units
for small and medium cold rooms



- › Constant and detailed control of temperature and humidity level during operation
- › Compact and functional with removable panels to allow easy access to internal components
- › Durable exterior body
- › Precharged with refrigerant, equipped with filter dryer and fixed calibration maximum and minimum pressure switches with automatic reset



Split or monoblock units for commercial applications

The SAS series models, available in split or monoblock version, are refrigeration units for drying and seasoning processes of cured meats and cheeses in small-medium rooms for commercial applications. The SAS units are called “mini-conditioners” thanks to their capability of controlling temperature and humidity levels during operations constantly and in details.

The operation range is from +25°C to +10°C while the achievable humidity range varies from 60% to 80%.

The SAS monoblock series and split series are offered in 5 models that differ in terms of power and dimensions: SAS221, SAS135, SAS235, SAS335 and SAS340.

The body is mainly built in galvanized epoxy-painted sheet steel, with removable panels allowing an easy access to internal components. All SAS units can reproduce customized drying and ageing cycles, guaranteeing production in all seasons with any external climatic conditions.

The refrigeration system, protected by a resistant body, consists of hermetic compressor complete with motor protection, capillary tube, evaporator (with air flow from 800 to 6500 m³/h) and condenser with 4-pole fan equipped with speed variator to optimize condensation pressure.

The units are pre-charged with refrigerant and equipped with filter dryer and fixed calibration high pressure switch with automatic reset.

Small capacity units include condensate evaporation tray.

Big capacity units include adjustable calibration maximum and minimum pressure switches with automatic reset, to increase safety and efficiency during operation.

A distinctive feature of the SAS range is the humidification-dehumidification system, necessary for the implementation of the

drying cycles.

Regulated by an electronic controller, the humidity control is performed thanks to the water taken from the water network to which the unit is connected and automatically introduced through spray nozzles. The dehumidification phase precedes a heat recovery post-heating process.

The temperature inside the room is regulated by electric heating. The quick and easy installation of the SAS units on the wall is non invasive for the room volume and requires a single hole where the evaporating section will be inserted, which does not require further connections.

Inside the room, the air is distributed through a directional grid, equipped with fins horizontally and vertically adjustable.

Air delivery ducts can be supplied on request.

The standard equipment is completed with the electrical panel with safety fuses, the cable for power supply (max 3m) and the cable for temperature/humidity probe panel (max 5m) for a precise monitoring of the humidity and temperature levels inside the entire room.

The functions of SAS units are easily programmable and customizable by means of a practical control board with a remote control panel that allows the adjustment of temperature, humidity, operating and stopping time.

All these features make the SAS units efficient, with high accuracy and suitable for meeting specific needs of the products and of the user.

Standard configuration monoblock range

- › Hermetic compressor
- › Filter dryer
- › Four-pole condenser fan
- › Capillary tube expansion
- › Separator/accumulator
- › Condensate evaporation tray
- › Refrigerant charge
- › Electronic control board
- › Switchboard with protection fuses
- › Fixed calibration Hp switch with automatic reset
- › Fixed calibration Lp switch with automatic reset
- › Condenser fan speed regulator with pressure control
- › Humidity control during dehumidification with heat recovery postheating
- › Temperature control with electrical heating
- › Humidity control with automatic water inlet
- › 100mm panel for wall mounting
- › Crankcase heater
- › 3m cable for power supply
- › 5m cable for temperature/humidity probe panel

Standard configuration split range

- › Hermetic compressor
- › Liquid Receiver
- › Liquid receiver shut off valves
- › Filter dryer
- › Sight glass
- › Four-pole condenser fan
- › Thermostatic expansion valve
- › Separator/accumulator
- › Condensing unit with refrigerant charge
- › Evaporator under nitrogen pressure
- › Electronic control board
- › Switchboard with protection fuses
- › Shut off valves on condensing unit/evaporator
- › Fixed calibration Hp switch with automatic reset
- › Fixed calibration Lp switch with automatic reset
- › Condenser fan speed regulator with pressure control
- › Humidity control during dehumidification with heat recovery postheating
- › Temperature control with electrical heating
- › Humidity control with automatic water inlet
- › Crankcase heater
- › 3m cable for power supply
- › 5m cable for temperature/humidity probe panel

Personalization options and accessories monoblock range

- › Hot gas defrost
- › Condenser fan pressure switch
- › Evaporator cataphoresis treatment
- › Condenser cataphoresis treatment
- › Prearrangement for supervising system
- › Remote control panel
- › Fresh air intake
- › Fresh air intake with hot gas defrost
- › Different voltage
- › Water-cooled condenser
- › Voltage monitor
- › Wooden box packaging
- › Fumigation according ISPM15

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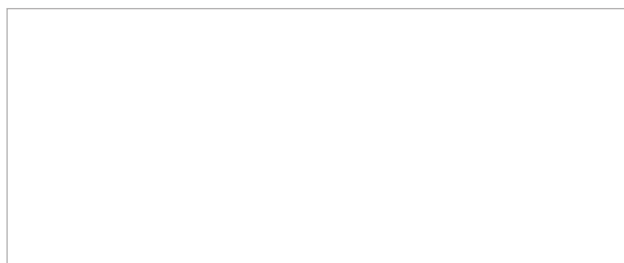
Technical data



SAS

Code	MONOBLOCK UNITS					SPLIT UNITS				
	SAS221TR01E	SAS135TR01E	SAS235TR01E	SAS335TR01E	SAS340TR01E	SB.SAS221TR86E	SB.SAS135TR86E	SB.SAS235TR86E	SB.SAS335TR86E	SB.SAS340TR86E
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Power supply [V/Ph~/Hz]	400 /3N~/50	400 /3N~/50	400 /3N~/50	400 /3N~/50	400 /3N~/50	400 /3N~/50	400 /3N~/50	400 /3N~/50	400 /3N~/50	400 /3N~/50
HP compressor	1	1,5	3	5	7,5	1	1,5	3	5	7,5
Drying [m³]	5	11	23	36	45	5	11	23	36	45
Drying [kg]	200	400	600	950	1.200	200	400	600	950	1.200
Ageing [m³]	20	40	70	125	160	20	40	70	125	160
Ageing [kg]	600	1.000	2.000	3.000	4.000	600	1.000	2.000	3.000	4.000
PED category	1	1	2	2	2	1	1	2	2	2
Working temperature [°C]	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10	+25 ÷ +10
Range RH [%]	60-80	60-80	60-80	60-80	60-80	60-80	60-80	60-80	60-80	60-80
Cooling capacity [Watt] [TC=10°C TA=30°C]	3.400	4.900	8.200	12.800	15.900	3.400	4.900	8.200	12.800	15.900

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