

Economic dry storage systems

CONSIDUS Dry Storage



Description

The CONSIDUS dry storage systems from ASYS offer optimum protection for highly sensitive components and assemblies. They are used when storage is required under defined conditions of humidity or for active component drying.

CONSIDUS Dry Storage can be used for a variety of storage products such as electronic components, partially assembled electronic modules, circuit boards, foils, wafers and components with oxidation-sensitive surfaces. Three different dehumidification technologies are available to achieve the stable and dry atmosphere in CONSIDUS Dry Storage.

1. Adsorption dehumidification

Controlled drying and circulating of air with a powerful adsorption drier. Closed recirculation system with high air circulation rates. Additional option of installing a heating module of up to 40 °C for stress-free component drying.

2. Nitrogen dehumidification

Controlled feeding of nitrogen.

3. Compressed-air dehumidification

Controlled feeding of compressed air.

Customised solutions

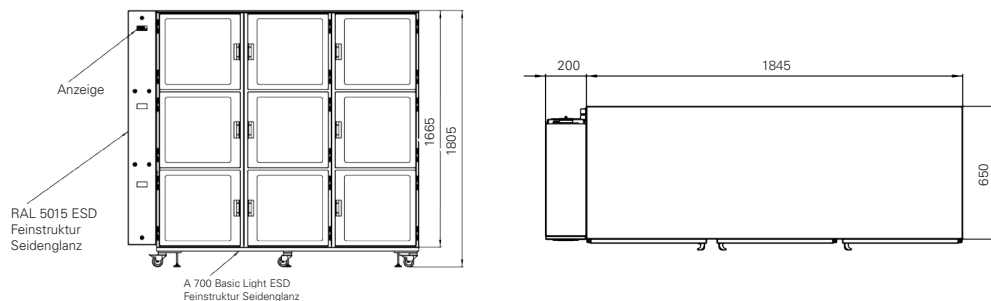
In addition to proven standard products, ASYS Cleanroom Technology supplies individual customer-specific solutions flexibly customised to meet any requirement.

Equipment:

- _ Solid metal corpus
- _ ESD version
- _ Ergonomic door handles
- _ Dehumidification techniques with fast reactions

Options:

- _ Visual and audible alarms
- _ Data logging for documentation of moisture and temperature
- _ Lockable doors
- _ 3-chamber system (entire cabinet volume divided into three independent individual chambers)
- _ Stainless steel shelves (up to 50 kg load capacity)
- _ Installation of pull-out drawers
- _ Installation of SMD roll holders
- _ Installation of feeder banks
- _ Installation of a temper oven up to 125 °C
- _ Heating module to heat the corpus up to 40 °C
- _ Extended cabinet depth (to 1100 mm)
- _ Installation of a dryer unit for compressed air conditioning
- _ Recalibration of probes
- _ Traceability software
- _ Stainless steel version
- _ Acrylic glass version
- _ Additional options on request



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Type label	Typ 600M ^{c)}	Typ 1200M	Typ 1800M	Typ 2400M
External dimensions in mm (WxHxD) ^{a)}	815 x 1805 x 650	1430 x 1805 x 650	2045 x 1805 x 650	2660 x 1805 x 650
Number of doors	3 (2) ^{b)}	6 (5) ^{b)}	9 (8) ^{b)}	12 (11) ^{b)}
Storage volume in litres	625 (410) ^{b)}	1250 (1040) ^{b)}	1875 (1670) ^{b)}	2500 (2300) ^{b)}
Usable size per compartment in mm (WxHxD)	540 x 510 x 620			
Dehumidification technologies	Adsorption dehumidification / nitrogen feed-in / compressed air feed-in			
Applications	Residual humidity of less than 3 % RH			
Cabinet material	Metal			
Connection specifications	Nitrogen: 3 bar / Compressed air: 6 - 8 bar			
Electrical connection	230 V / 50 Hz			
Control	Automatic control with measurement and control technology and calibrated humidity sensor. Humidity setpoint freely adjustable. Indication of current humidity and temperature on the display. Dehumidification takes place only when exceeding the predetermined humidity setpoint.			

a) Individual dimensions on request

b) With adsorption dehumidification

c) Only nitrogen / compressed air dehumidification

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