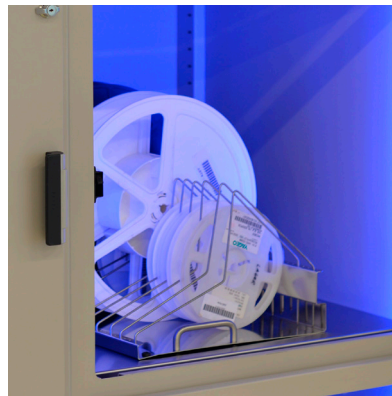


CONSIDUS - Innovation in Air Drying

Economic dry storage systems

CONSIDUS Dry Storage



Active component drying

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. Different dehumidification technologies are available to achieve the stable and dry atmosphere in CONSIDUS Dry Storage.

1. Adsorption dehumidification technology (type A)

Active dehumidification in circulation process. Optional: Heating module for heating the complete storage room up to 40°C incl. energy-saving insulation

2. Nitrogen dehumidification technology (type N)

Passive dehumidification with nitrogen in displacement process. Three independent chambers ensure lowest nitrogen consumption

3. Compressed air dehumidification technology (type D)

Passive dehumidification with compressed air in displacement process incl. filter

4. CLEANUM particle cleaning (type C)

Active air purification in the flow-through process, with integrated particle filtering for clean room conditions

Customised solutions

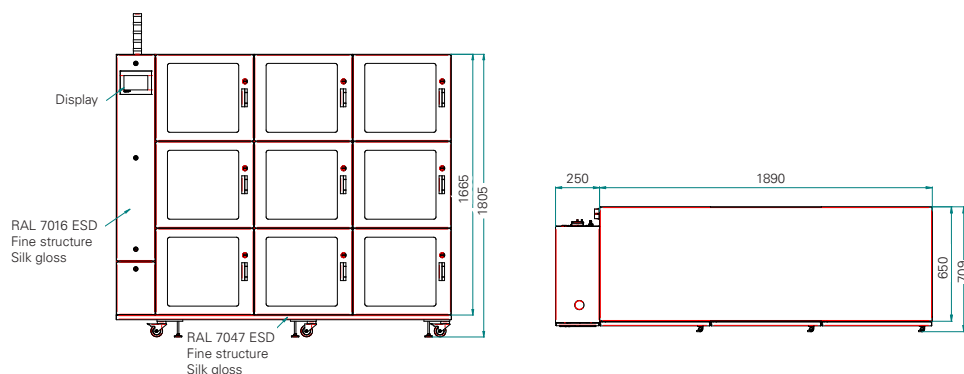
In addition to proven standard products, ASYS Cleanroom Technology supplies individual customer-specific solutions flexibly customised to meet any requirement. Customized dimensions up to 1,100mm depth of the machine are possible.

Scope of delivery and requirements:

- _ With abrasion-resistant stainless steel bases
- _ Residual moisture < 3% @ nominal 23°C
- _ IEC 61340-5-1 meets the requirements against electrostatic phenomena
- _ IPC/JEDEC-J- STD 033C complies with the requirements for handling of moisture and reflow sensitive components
- _ ESD painting of the complete body according to IEC61340-5-1, conductive coating
- _ Recalibration and adjustment of the measuring probes.

Optional accessories:

- _ ESD carpet pad mats on the insertion sheets.
- _ LED illumination with automatic switch-off
- _ Non-contact door contacts, rinse stop, overrun, alarm
- _ Assortment of drawer pulls and SMD roll holders or feeder pull-out (Siplace)
- _ Tempering oven adjustable 125°-140°C - according to the guideline for printed circuits IPC 1601, at 125°C ≤ 24 hrs.
- _ Software with storage place management - LOGISTICS
- _ Body also in stainless steel or ACRYL version
- _ Type A: heating module 40°C incl. thermal insulation



CONSIDUS Standard Sizes & many Special Sizes

Type label	600 MR ^{a)}	1200 MR	1800 MR	2400 MR
External dimensions in mm (WxHxD)	880 x 1805 x 709	1510 x 1805 x 709	2140 x 1805 x 709	2770 x 1805 x 709
Individual dimensions from 880 to 2770 mm width, height 1295 to 2315 mm and depth 709 to 1100 mm				
Number of doors	3	6 (5) ^{b)}	9 (8) ^{b)}	12 (11) ^{b)}
Storage volume in litres	625	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	Standard metal, optional stainless steel or ACRYL version			
Connection specifications	Nitrogen: 3 bar / Compressed air: 6 - 8 bar			
Electrical Connection	230 VAC / 50 - 60 Hz 3 x 230 AC / NPE (> 3,5kW with heating module and/or tempering furnace)			
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) Only nitrogen / compressed air dehumidification

b) With adsorption dehumidification

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Subject to change.
All information listed is general descriptions and performance features which in actual case of use do not always apply in the form shown or which may change due to ongoing product development. Only the contractually agreed performance descriptions are considered binding.
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