



**Desiccators and
Drying Cabinets**

**Glove Boxes and
Extractor Hoods**

- » stable
- » functional
- » custom-made



All information in our catalogue is based on current technical knowledge, experience and manufacturers' data. Users should check the suitability of parts and materials described in the catalogue before use.

Bohlender does not accept any warranty as to suitability and fitness of purpose of the materials and products described in this catalogue. Users should avoid making any assumptions on, or interpretations of, the data herein.

All products are subject to technical modification without prior notice.

All pressure and thermal resistance data are given in **no load conditions**.

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The icon consists of the word "NEW" in white, uppercase, sans-serif font, centered within a solid orange square.

New products are shown with this icon.

The icon features the word "BESTSELLER" in white, uppercase, sans-serif font, enclosed within a black rectangular border with rounded corners.

Our best sellers

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Dear Customer,



“SICCO”, the young brand for desiccators and drying cabinets made by BOHLENDER is already established and well-known in laboratories.

Our staff is continuously working on further improvements and enlargement of the SICCO range to meet your various requirements. Today, I proudly present the new models of desiccators and drying cabinets. Have a look inside and discover the many functional SICCO novelties! All new models can be easily identified – they are marked with the sticker “NEW”.

Also for our new models, you can continue to rely on the high quality of our manufacturing process that ensures long product life and ease of use.

And should you have a special request, we are able to offer an individual custom manufacture. This is easier and faster than you may expect. We produce to your requirements – starting with 1 piece.

Take a look at the new SICCO catalogue and see for yourself. I look forward to hearing your comments.

Best regards,

A handwritten signature in blue ink, appearing to read 'V. Bohlender', written in a cursive style.

Volker Bohlender

Managing Director



For storing or drying dust and humidity sensitive products with silica gel.



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For storing reactive substances.



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- 30 Desiccators for gas filling

For long-term storing.



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For storing electronic parts in a neutral atmosphere.



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For rapid drying of substances
and storing without oxygen and
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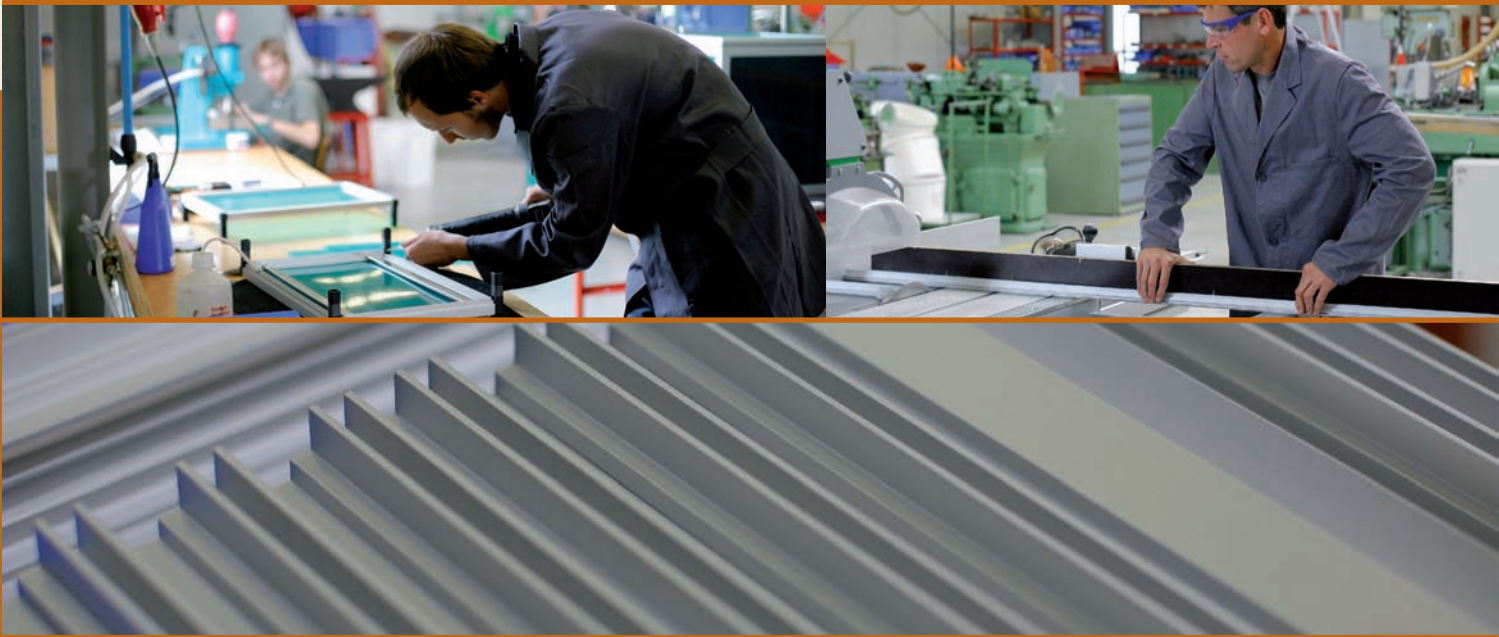
65 Efficient use of silica gel

66 Optimise drying efficiency

67 Safe assembly of cables

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Robust construction, appealing design, sophisticated functionality: SICCO desiccators and drying cabinets leave nothing to be desired. That's BOHLENDER experience and know how gained from more than 30 years of delivering safe storage systems for sensitive items and materials.

We have always set high quality standards; all design, development and manufacturing are done in house by BOHLENDER professionals.

SICCO – built for those who expect more.

Extra flexibility

Depending on the kind of material, the quantity and how long you would like to store it, your requirements for a desiccator or a drying cabinet may change. Your needs set our benchmarks. Having design and production in house makes it possible efficiently to meet your requirements. We are sure you will find a suitable desiccator in our extensive product range. If not we can make custom units; we need a brief specification and our design department will start work to meet all your requirements.

Extra expertise

We listen to our customers! Desiccators and drying cabinets are part of Bohlender's product range since 1977. And since 1998, we have been manufacturing them in house. Based on your feedback, our products are continuously improved and adapted to meet your requirements. Should you have any questions or requests, our professional staff will give you expert advice. Who knows more about drying cabinets and desiccators than the manufacturer?



Extra service

Some enquiries are urgent. To meet customer needs we keep the majority of our products in stock. Our efficient, well-established workflow systems assure rapid shipment of your order whether it is for desiccators, drying cabinets or accessories. Waiting times and unnecessary downtime can be prevented. You have no time to lose? We are here to help.

Extra reliability

Valuable items or sensitive substances require reliable and safe storage. SICCO desiccators and drying cabinets are consistently designed and built for security and longevity. We use solid, shock resistant aluminium frames and high-quality, unbreakable acrylic panels which optionally are available either as antistatic or UV radiation resistant. Consistent, high quality inhouse manufacturing by our highly qualified staff complement a comprehensive quality assurance system. This results in desiccators and drying cabinets which are top of the class.

Extra features

Our goal is that you are completely satisfied using our products just as we enjoy developing and producing them.



The special appeal of SICCO desiccators and drying cabinets stems from the many well-thought details and unique features such as our innovative, magnetic locking system "One-Touch-Door". The door closes tightly but can easily be opened and closed with a light touch.

Made to measure.



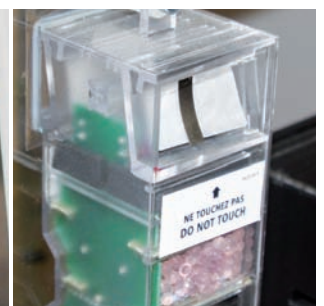
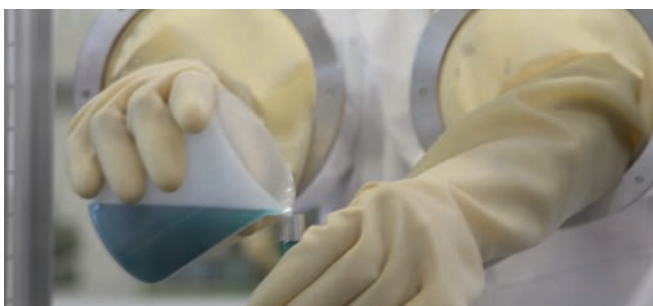
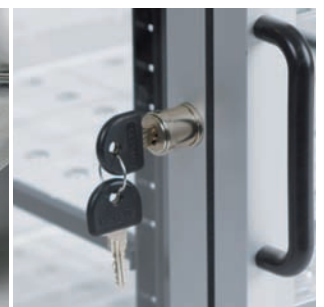
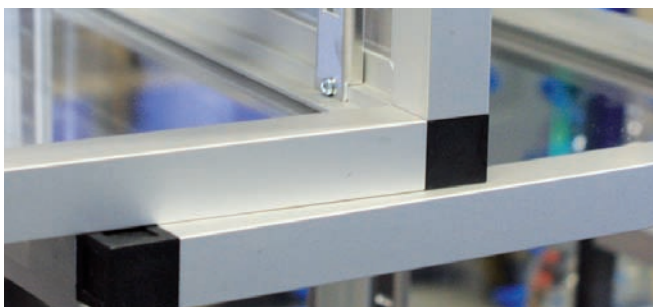
Many extras and special requests are already part of the standard SICCO product range. For special applications not currently available in our standard range we offer custom design and manufacturing.

If you have a special request, discuss your idea with our professionals; they will give advice and support during the design and specification process. Your idea will become a reality and will be produced to meet your requirements even for single unit orders. All we need is a drawing (a sketch is sufficient) and some brief details.

Call us at: **+49 (0) 93 46-92 86-0**. Or simply complete the attached form for custom enquiries including your contact details and return it by fax or e-mail. We will contact you to discuss further details and will then provide you with a free quotation.

Checklist for your custom desiccator:

- » Describe the area of use.
- » Which are the critical outer or inner dimensions?
- » Specify which materials will be stored in the desiccator.
- » Which kind of acrylic panels do you need?
- » How many shelves do you need?
- » What will be the maximum weight/ load? Per shelf? Per desiccator?
- » Do you need accessories (e. g. cylinder lock, gas fill, etc.)?
- » State quantities.
- » What is the budgetary price range per desiccator?



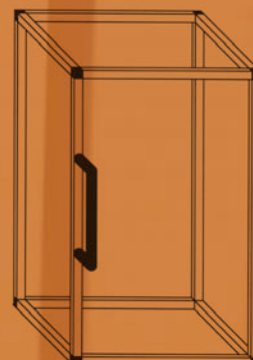
SICCO Desiccators for drying / storage

SICCO Desiccators are designed for storing or drying humidity sensitive products using silica gel. The tight fitting door protects the contents from contamination from the atmosphere. The controlled environment

inside the desiccators is ideal for storing reference materials, retained samples, metallographic specimens, tobacco and DNA samples.

Feature Summary

- » Reinforced aluminium frame with acrylic panels
- » Door with magnetic catch and circular rubber seal
- » Non slip rubber feet or four casters (two of the casters with brakes)
- » Easy to read electronic hygrometer
- » Variable height shelves made of acrylic glass, stainless steel or aluminium
- » Telescopic shelves
- » Desiccant tray
- » Star-Desiccators include silica gel

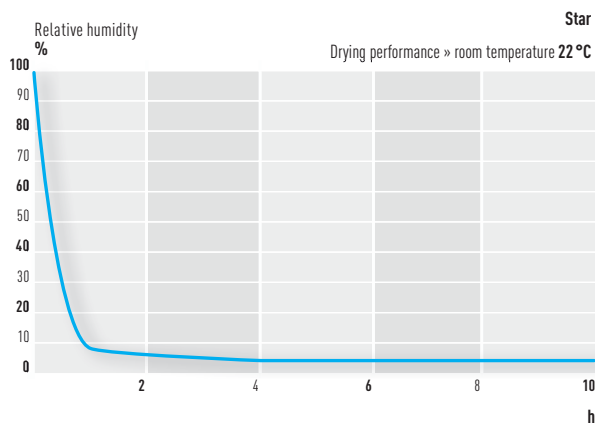


Performance at a glance.

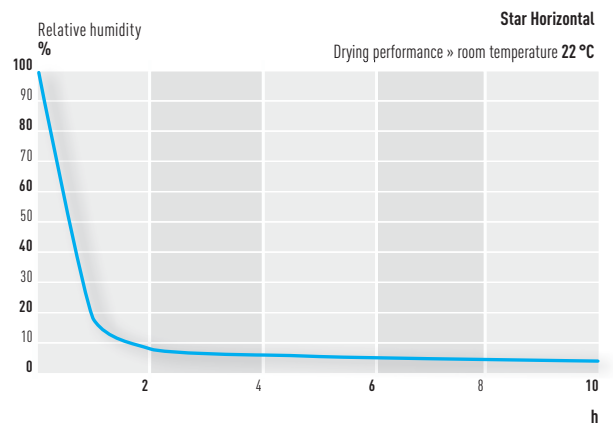
DRYING PERFORMANCE

Test procedure:

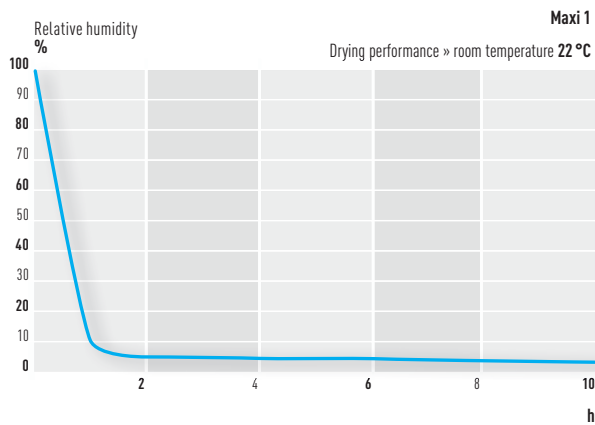
A relative humidity of approx. 100 % is simulated in a desiccator. In the bottom of the desiccator there is a tray with 500 g of silica gel. The door is closed and is airtight. The curves show relative humidity versus time.



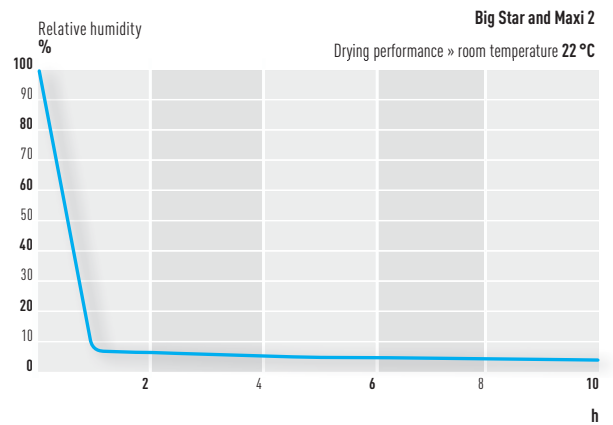
Relative humidity of below 10 % after approx. one hour.



Relative humidity of below 10 % after almost two hours.



Relative humidity of below 10 % after little more than one hour.



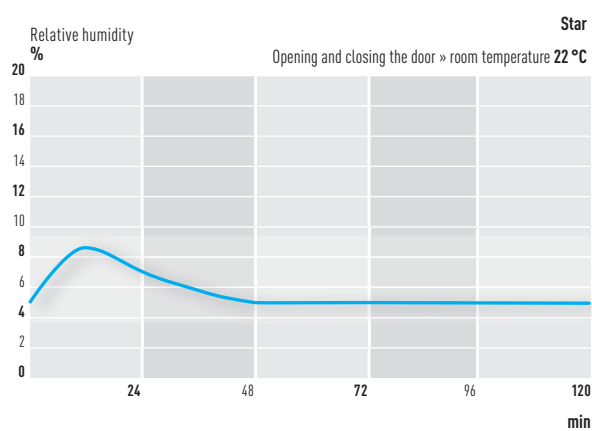
Relative humidity of below 10 % after approx. one hour.

OPENING AND CLOSING THE DOOR

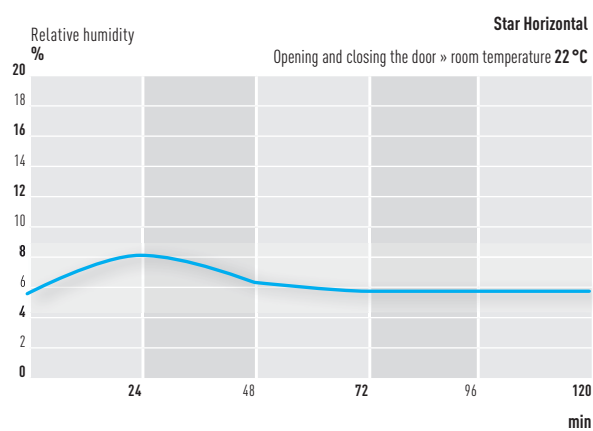
Test procedure:

A desiccator with three shelves is loaded with approx. 30 beakers. A relative humidity of max. 7% is maintained inside the desiccator. On one shelf and at the bottom of the desiccator there is one tray (350 x 240 mm) with 500 g of silica gel.

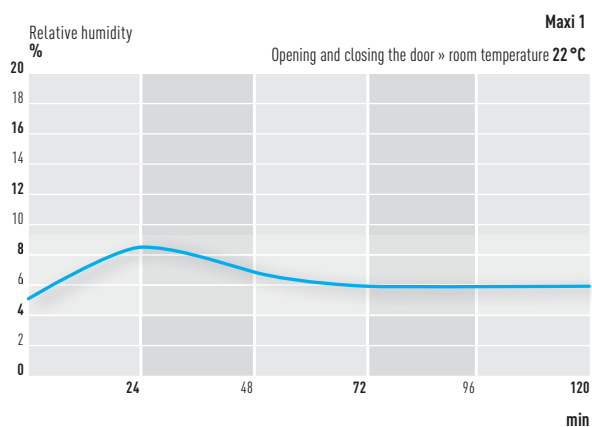
Then the airtight door is opened for 10 seconds and then closed. The curves show the development of humidity.



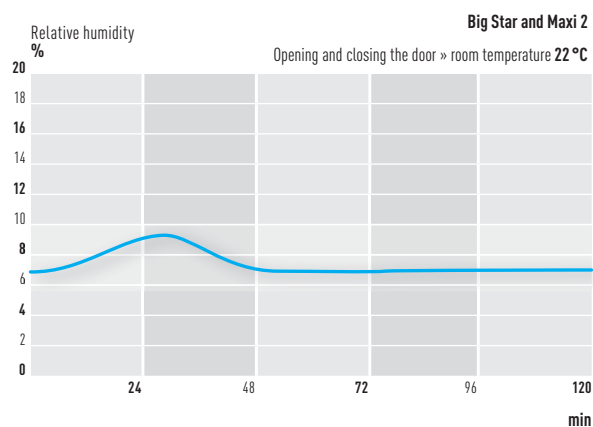
The initial value is attained after approx. 48 minutes.



The initial value is attained after approx. 58 minutes.



The initial value is attained after approx. 72 minutes.



The initial value is attained after approx. 48 minutes.

SICCO BENEFITS

- » Reinforced aluminium frame with acrylic panels
- » Door with magnetic catch and circular rubber seal
- » Easy to read electronic hygrometer
- » Variable height shelves made of acrylic glass
- » Telescopic shelves
- » Non slip rubber feet



SICCO Star-Desiccator

Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	PMMA	-20 °C to +70 °C	normal pressure	rubber feet

Ausführung:

Including four shelves made of acrylic glass, tray, hygrometer and desiccant, usable with up to 26 shelves, stackable.

Cat. No.:	V 1871-07
Overall dimensions* W x H x D mm	310 x 525 x 375
Usable interior space W x H x D mm	260 x 480 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7
Maximum all-over load per shelf kg	10
Total all-over load kg	30



BESTSELLER



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Star-Vitrum-Desiccator

Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	borosilicate 3.3	-20 °C to +70 °C	normal pressure	rubber feet

Specification:

Panels made of borosilicate glass 3.3, including four shelves made of stainless steel, tray, hygrometer and desiccant, usable with up to 26 shelves, stackable.

NEW

Cat. No.:	V 1841-07
Overall dimensions* W x H x D mm	310 x 525 x 375
Usable interior space W x H x D mm	260 x 480 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7
Maximum all-over load per shelf kg	10
Total all-over load kg	30

Applications:

Especially suitable for storing hot materials (max. 300°C), very good resistance compared to most acids and organic substances.


BESTSELLER


Stable Desiccators

»» Because of the aluminium frame and fiber-glass reinforced corner connections, the SICCO Desiccators are specially stable but also lightweight – ideal for our application. ««

Staff Member Forensic Unit

Drying properties

Please read our information on pages 10-11.



SICCO Star-Desiccator Protect

Panels: orange	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Specification:

Including four shelves made of acrylic glass, tray, hygrometer and desiccant, usable with up to 26 shelves, stackable, orange acrylic panels reduce light incidence and protect against ultraviolet radiation.

Cat. No.:	V 1879-07
Overall dimensions* W x H x D mm	310 x 525 x 375
Usable interior space W x H x D mm	260 x 480 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7
Maximum all-over load per shelf kg	10
Total all-over load kg	30

Applications:

Especially suitable for the storage of light-sensitive substances.

« »
Special Request?
+49 (0) 93 46-92 86-0



SICCO INNOVATION

Suspension arrangements and Rails

The rail system of the Star Desiccators is equipped with a consecutive numeration for an easy and fast positioning of the shelves.

page 64



Add. accessories

Pages 58-62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Star-Desiccator Horizontal

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Specification:

Including two shelves made of acrylic glass, tray, hygrometer and desiccant, usable with up to 13 shelves, stackable, door opens forward.

Cat. No.:	V 1899-07
Overall dimensions* W x H x D mm	525 x 340 x 375
Usable interior space W x H x D mm	480 x 260 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7
Maximum all-over load per shelf kg	1,5
Total all-over load kg	30

Applications:

Especially suitable for wide products such as A3 sheets or conductor boards.



SICCO Star-Desiccator Black

Panels: black	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Specification:

Including four shelves made of acrylic glass, tray, hygrometer and desiccant, usable with up to 26 shelves, stackable, 0% light transmission, impervious to ultraviolet radiation, non-ageing and weather-proof, mirror-bright surface.

NEW

Cat. No.:	V 1891-07
Overall dimensions* W x H x D mm	310 x 525 x 375
Usable interior space W x H x D mm	260 x 480 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7
Maximum all-over load per shelf kg	10
Total all-over load kg	30

Applications:

Especially for the storage of substances to the exclusion of light transmission and ultraviolet radiation.



SICCO Maxi 2-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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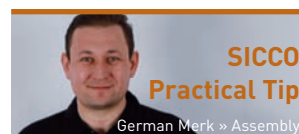
Specification:

Two compartments, two doors, each compartment usable with up to 17 shelves, standard is two shelves made of stainless steel, one tray and one hygrometer per compartment.

Cat. No.:	V 1853-01
Overall dimensions* W x H x D mm	560 x 1150 x 580
Usable interior space W x H x D mm	495 x 500 x 540 per compartment
Usable volume liters	140 per compartment
Total volume liters	150 per compartment
Weight kg/approx.	34
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 per compartment
Total all-over load kg	160



BESTSELLER



SICCO Practical Tip

German Merk » Assembly

There is not much space on your worktop?

No problem; all Star Desiccators are stackable.



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Maxi 1-Desiccator

Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	PMMA	-20 °C to +70 °C	normal pressure	casters

Specification:

Including four shelves made of stainless steel, tray and hygrometer, usable with up to 34 shelves .

Cat. No.:	V 1852-01
Overall dimensions* W x H x D mm	560 x 1150 x 580
Usable interior space W x H x D mm	495 x 1030 x 540
Usable volume liters	280
Total volume liters	300
Weight kg/approx.	30
Maximum all-over load per shelf kg	30
Total all-over load kg	160



BESTSELLER

SICCO Maxi 2-Vitrum-Desiccator

Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	Borosilicate 3.3	-70°C to +150°C	normal pressure	casters

Specification:

Panels made of borosilicate glass 3.3, two compartments, two doors, each compartment usable with up to 17 shelves, standard is two shelves made of stainless steel, one tray and one hygrometer per compartment.

NEW

Cat. No.:	V 1845-07
Overall dimensions* W x H x D mm	560 x 1150 x 580
Usable interior space W x H x D mm	495 x 500 x 540 per compartment
Usable volume liters	140 per compartment
Total volume liters	150 per compartment
Weight kg/approx.	42
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 per compartment
Total all-over load kg	160

Applications:

Especially suitable for storing hot materials (max. 300°C), very good resistance compared to most acids and organic substances.



Drying properties

Please read our information on pages 10-11.

SICCO Big-Star-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Specification:

Including two shelves made of stainless steel, tray and hygrometer, usable with up to 17 shelves.

Cat. No.:	V 1896-07
Overall dimensions* W x H x D mm	560 x 560 x 580
Usable interior space W x H x D mm	495 x 500 x 540
Usable volume liters	140
Total volume liters	150
Weight kg/approx.	18
Maximum all-over load per shelf kg	30
Total all-over load kg	80



SICCO Tower-Star-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Specification:

Including four shelves made of acrylic glass, tray, hygrometer and desiccant, usable with up to 38 shelves, stackable.

NEW

Cat. No.:	V 1938-07
Overall dimensions* W x H x D mm	310 x 735 x 375
Usable interior space W x H x D mm	260 x 690 x 330
Usable volume liters	60
Total volume liters	63
Weight kg/approx.	8
Maximum all-over load per shelf kg	10
Total all-over load kg	40



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Maxi 1-Desiccator Protect

Panels: orange	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Specification:

Including four shelves made of stainless steel, tray and hygrometer, usable with up to 34 shelves, orange acrylic panels reduce light incidence and protect against ultraviolet radiation.


NEW

Cat. No.:	V 1927-07
Overall dimensions* W x H x D mm	560 x 1150 x 580
Usable interior space W x H x D mm	495 x 1030 x 540
Usable volume liters	280
Total volume liters	300
Weight kg/approx.	30
Maximum all-over load per shelf kg	30
Total all-over load kg	160

Applications:

Especially suitable for storage of light-sensitive substances.





SICCO
Practical Tip

Uwe Hossfeld » Technical department

What is done if humidity does not decrease?

Check if the door closes tightly or if the sealing is damaged. Regenerate your desiccant or increase its portion. Check if the hygrometer is working correctly.

page 65

Drying properties

Please read our information on pages 10-11.



SICCO Mini-Desiccator Secure Box Basic

Panels:	Material:	Temperature resistance:	Use:
clear	Polycarbonate	-35 °C to +70 °C	normal pressure

Basic version:

Including desiccant, lockable, stackable.

NEW

Cat. No.:	V 1847-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3

Applications:

Safe storage of consumables, very handy.



SICCO Mini-Desiccator Secure Box Premium

Panels:	Material:	Temperature resistance:	Use:
clear	Polycarbonate	-35 °C to +70 °C	normal pressure

Premium version:

Including 2 shelves, hygrometer, desiccant, non-slip rubber feet, lockable, stackable.

NEW

Cat. No.:	V 1947-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	2

Applications:

Safe storage of consumables, very handy.



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

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SICCO Mini-Desiccator Basic

Panels: clear	Material: Polycarbonate	Temperature resistance: -35 °C to +70 °C	Use: normal pressure
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NEW **Basic Version Mini 1 compartment**
One compartment, including desiccant, stackable.

A

Cat. No.:	V 1850-01
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3

Basic Version Mini 2 compartments:
Two permanently fixed compartments, including desiccant, stackable.

B

Cat. No.:	V 1850-02
Overall dimensions W x H x D mm	221 x 362 x 214
Usable interior space W x H x D mm	212 x 162 x 180 per compartment
Usable volume liters, approx.	6,2 per compartment
Weight kg	1,8
Total all-over load kg	3

Basic Version Mini 3 compartments:
Three permanently fixed compartments, including desiccant, stackable.

C

Cat. No.:	V 1850-03
Overall dimensions W x H x D mm	221 x 540 x 214
Usable interior space W x H x D mm	212 x 162 x 180 per compartment
Usable volume liters, approx.	6,2 per compartment
Weight kg	2,7
Total all-over load kg	3



Add. accessories
Pages 58-62.



You are looking for a light-weight desiccator?

Our Mini Desiccators have tight dimensions and can be easily transported due to their light weight.

SICCO Mini-Desiccators Premium

Panels: clear
 Material: Polycarbonate
 Temperature resistance: -35 °C to +70 °C
 Use: normal pressure

NEW

Premium Version Mini 1 compartment:

One compartment, including 2 shelves, hygrometer, desiccant, with non-slip rubber feet.

A	Cat. No.:	V 1950-01
	Overall dimensions W x H x D mm	221 x 183 x 214
	Usable interior space W x H x D mm	212 x 162 x 180
	Usable volume liters, approx.	6,2
	Weight kg	0,9
	Total all-over load kg	2

Premium Version Mini 2 compartments:

Two permanently fixed compartments, each compartment including 2 shelves, hygrometer and desiccant, bottom with non-slip rubber feet.

B	Cat. No.:	V 1950-02
	Overall dimensions W x H x D mm	221 x 362 x 214
	Usable interior space W x H x D mm	212 x 162 x 180 per compartment
	Usable volume liters, approx.	6,2 per compartment
	Weight kg	1,8
	Total all-over load kg	2

Premium Version Mini 3 compartments:

Three permanently fixed compartments, each compartment including 2 shelves, hygrometer and desiccant, bottom with non-slip rubber feet.

C	Cat. No.:	V 1950-03
	Overall dimensions W x H x D mm	221 x 540 x 214
	Usable interior space W x H x D mm	212 x 162 x 180 per compartment
	Usable volume liters, approx.	6,2 per compartment
	Weight kg	2,7
	Total all-over load kg	2



SICCO Mini-Desiccator Protect Basic

Panels:	Material:	Temperature resistance:	Use:
orange	Polycarbonate	-35°C up to +70°C	normal pressure

Basic Version:

Including desiccant, orange polycarbonate panels reduce light incidence and protect against ultraviolet radiation, stackable.

NEW

Cat. No.:	V 1842-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume Liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3



SICCO Mini-Desiccator Protect Premium

Panels:	Material:	Temperature resistance:	Use:
orange	Polycarbonate	-35°C up to +70°C	normal pressure

Premium Version:

Including 2 shelves, hygrometer, desiccant, orange polycarbonate panels reduce light incidence and protect against ultraviolet radiation, with non-slip rubber feet, stackable.

NEW

Cat. No.:	V 1942-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume Liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3



SICCO INNOVATION

Mini Desiccators
Because of the injection molding production, different materials can be used. So the Mini Desiccators are specially versatile.

*** Add. accessories**
Pages 58-62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Mini-Desiccator Black Basic

Panels: **black** Material: **Polycarbonate** Temperature resistance: **-35°C up to +70°C** Use: **normal pressure**

Basic Version:

Including desiccant, black, non-transparent polycarbonate panels reduce light incidence and protect against ultraviolet radiation, stackable.

NEW

Cat. No.:	V 1840-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3



SICCO Mini-Desiccator Black Premium

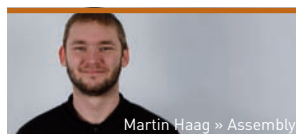
Panels: **black** Material: **Polycarbonate** Temperature resistance: **-35°C up to +70°C** Use: **normal pressure**

Premium Version:

Including 2 shelves, hygrometer, desiccant, black, non-transparent polycarbonate panels reduce light incidence and protect against ultraviolet radiation, with non-slip rubber feet, stackable.

NEW

Cat. No.:	V 1940-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3



How can you regenerate Silica Gel?

Just put the tray with the desiccant for 90 minutes at 90-100° C in the oven. Attention: A microwave is unsuitable for this process.

page 65

Drying properties

Please read our information on pages 10-11.



SICCO Mini-Desiccator Mobile Basic

Panels:	Material:	Temperature resistance:	Use:
clear	Polycarbonate	-35°C up to +70°C	normal pressure

Basic Version:

Including desiccant, with practical handle.

NEW

Cat. No.:	V 1848-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	1,0
Total all-over load kg	3



SICCO Mini-Desiccator Mobile Premium

Panels:	Material:	Temperature resistance:	Use:
clear	Polycarbonate	-35°C up to +70°C	normal pressure

Premium Version:

Including 2 shelves, hygrometer, desiccant, with practical handle and non-slip rubber feet.

NEW

Cat. No.:	V 1948-06
Overall dimensions W x H x D mm	221 x 183 x 214
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	1,0
Total all-over load kg	3



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.



NEW

Desiccator Wall
for drying and
storage

- » spacious
- » mobile
- » functional



SICCO Desiccator Wall

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Ausführung:

Six compartments, six doors, each compartment can have up to 17 shelves, standard is 1 shelf made of stainless steel, 1 tray and 1 hygrometer per compartment.

NEW

Cat. No.:	V 1994-08
Overall dimensions* W x H x D mm	1080 x 1870 x 580
Usable interior space W x H x D mm	495 x 500 x 540 per compartment
Usable volume liters	140 per compartment
Total volume liters	150 per compartment
Weight kg, approx	100
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 per compartment
Total all-over load kg	200
Ground clearance of lowest chamber mm	240



Add. accessories
Pages 58-62.

Special Request?
+49 (0) 93 46-92 86-0

SICCO Practical Tip
Marion Stoppel » Construction

How can you reduce the air exchange when opening the door?

Form an artificial wall by putting large jars in the front part of the desiccator or glue a paper or a film in the gaps.

page 66



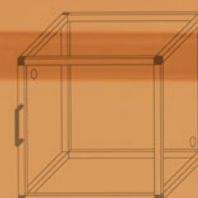
SICCO Desiccators for gas filling

Gas filling SICCO Desiccators provide ideal conditions for the safe and secure storing of poisonous chemicals. Rare or inert gases like nitrogen can be introduced as

soon as the door is closed tightly. Compared to the ambient air the inert gas does not react with the stored substances.

Feature Summary

- » Reinforced aluminium frame with acrylic panels
- » Door with magnetic catch, circular rubber seal, the Super-Star-Desiccator includes a cylinder lock
- » Non-slip rubber feet or four casters (two of the casters with brakes)
- » Extra large electronic hygrometer
- » Variable height shelves made of acrylic glass, stainless steel or aluminium
- » Telescopic shelves
- » Two connections for gas filling including quick couplings with self-sealing valves and hose





SICCO BENEFITS

- » Reinforced aluminium frame with acrylic panels
- » Door with magnetic catch and circular rubber seal and cylinder lock
- » Easy to read electronic hygrometer
- » Variable height shelves made of acrylic glass
- » Telescopic shelves
- » Two connections for gas filling including quick couplings with self-sealing valves and hose

SICCO Super-Star-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Specification:

Including four shelves made of acrylic glass, hygrometer, tray, desiccant and hose with quick couplings for gas filling, usable with up to 26 shelves, lockable, stackable.

Cat. No.:	V 1875-07
Overall dimensions* W x H x D mm	310 x 525 x 375
Addi. place requirement for coupling mm	150 per panel
Usable interior space W x H x D mm	260 x 480 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7,1
Maximum all-over load per shelf kg	10
Total all-over load kg	30
Bore diameter of quick coupling mm	Ø 6
Bore diameter in panels mm	Ø 16,5 – <small>upper left front side lower right back side</small>
Length of hose in m	5



BESTSELLER



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Super-Maxi 1-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Specification:

Including four shelves made of stainless steel, hygrometer, tray and hose with quick couplings for gas filling, usable with up to 34 shelves.

Cat. No.:	V 1932-01
Overall dimensions* W x H x D mm	560 x 1150 x 580
Addi. place requirement for coupling mm	150 per panel
Usable interior space W x H x D mm	495 x 1030 x 540
Usable volume liters	280
Total volume liters	300
Weight kg/approx.	30
Maximum all-over load per shelf kg	30
Total all-over load kg	160
Bore diameter of quick coupling mm	Ø 6
Bore diameter in panels mm	Ø 16,5 – upper left front side lower right back side
Length of hose in m	5



SICCO INNOVATION

Optimal circulation

The shelves have holes. Thereby the whole inside air is circulating and the drying procedure will be accelerated; even with maximum assembly.



Drying properties

Please read our information on pages 10-11.

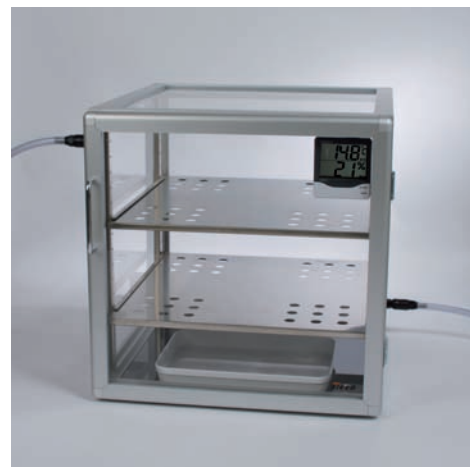
SICCO Super-Big-Star-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Specification:

Including two shelves made of stainless steel, tray, hygrometer and hose with quick couplings for gas filling, usable with up to 17 shelves.

Cat.No.:	V 1935-07
Overall dimensions* W x H x D mm	560 x 560 x 580
Addi. place requirement for coupling mm	150 per panel
Usable interior space W x H x D mm	495 x 500 x 540
Usable volume liters	140
Total volume liters	150
Weight kg / approx.	18,1
Maximum all-over load per shelf kg	30
Total all-over load kg	80
Bore diameter of quick coupling mm	Ø 6
Bore diameter in panels mm	Ø 16,5 – upper left front side lower right back side
Length of hose mm	5



Fast drying without nitrogen

By the supply of pre-dried air from your compressed air system into the SICCO Desiccator for gas filling, you can dry your products fast and favorably.



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Super-Maxi 2-Desiccator


Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Specification:

Two compartments, two doors, usable with up to 17 shelves per compartment, standard is two shelves made of stainless steel, one tray, one hygrometer and one hose with quick couplings for gas filling per compartment.

Cat. No.:	V 1933-01
Overall dimensions* W x H x D mm	560 x 1150 x 580
Addi. place requirement for coupling mm	150 per panel
Usable interior space W x H x D mm	495 x 500 x 540 per compartment
Usable volume liters	140 per compartment
Total volume liters	150 per compartment
Weight kg/approx.	34
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 per compartment
Total all-over load kg	160
Bore diameter of quick coupling mm	Ø 6 per compartment
Bore diameter in panels mm	Ø 16,5- <small>upper left front side and lower right back side per compartment</small>
Length of hose in m	5 per compartment





SICCO
Praxis-Tipp

Christian Stöhr » Technical department

Where is the best position for Silica Gel?

Just place your components directly next to the Silicagel where humidity is absorbed-most quickly.



SICCO Mini-Desiccator for Gas-Filling Basic

Panels:	Material:	Temperature resistance:	Use:
clear	Polycarbonate	-35°C up to +70°C	normal pressure

Basic Version:

Including desiccant and hose with quick couplings for gas filling, stackable.

NEW

Cat. No.:	V 1849-06
Overall dimensions W x H x D mm	221 x 183 x 214
Addi. place requirement for coupling mm	150
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3
Length of hose m	5



SICCO Mini-Desiccator for Gas-Filling Premium

Panels:	Material:	Temperature resistance:	Use:
clear	Polycarbonate	-35°C up to +70°C	normal pressure

Premium Version:

Including 2 shelves, hygrometer, desiccant, non-slip rubber feet, lockable, hose with quick couplings for gas filling, stackable.

NEW

Cat. No.:	V 1849-06
Overall dimensions W x H x D mm	221 x 183 x 214
Addi. place requirement for coupling mm	150
Usable interior space W x H x D mm	212 x 162 x 180
Usable volume liters, approx.	6,2
Weight kg	0,9
Total all-over load kg	3
Length of hose m	5



Add. accessories

Pages 58-62.

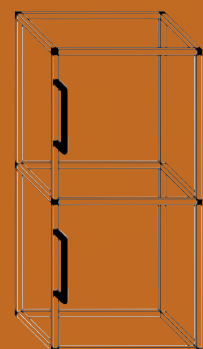
SICCO Automatic-Desiccators

With automatic drying that can maintain a constant humidity of between 20% and 30%, SICCO Automatic Desiccators are suitable for long-term storage. Even frequent opening of the door is compensated automa-

tically. They are the ideal solution for storing reference samples, electronics, photo equipment, papers, valuable cultural assets and much more.

Feature Summary

- » Reinforced aluminium frame with acrylic panels
- » Door with magnetic catch and circular rubber seal
- » Non-slip rubber feet or four casters (two of the casters with brakes)
- » Easily readable electronic hygrometer
- » Variable height shelves made of acrylic glass, stainless steel or aluminium
- » Automatic drying (manual regeneration of desiccant is not necessary)
- » Constant low interior humidity between 20% and 30%
- » Telescopic shelves



Performance at a glance.

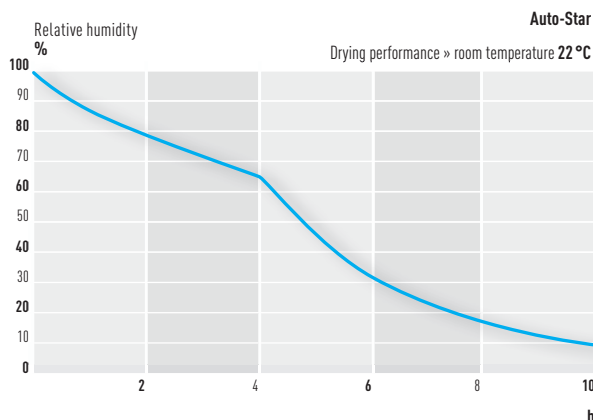
DRYING PERFORMANCE

Test procedure:

After a pre drying period of 10 minutes, a humidity of 100 % is simulated in an Automatic-Desiccator. The desiccator is switched on, the door remains closed tightly until the end of the test. The curves show relative humidity versus time.

Results:

After only 10 hours, the relative humidity inside the desiccator is down to 10 % due to automatic drying. Frequent controls are not necessary. The storage space is bigger since it is not necessary to use silica gel and process errors are avoided.



Relative humidity of below 30 % after little more than 6 hours

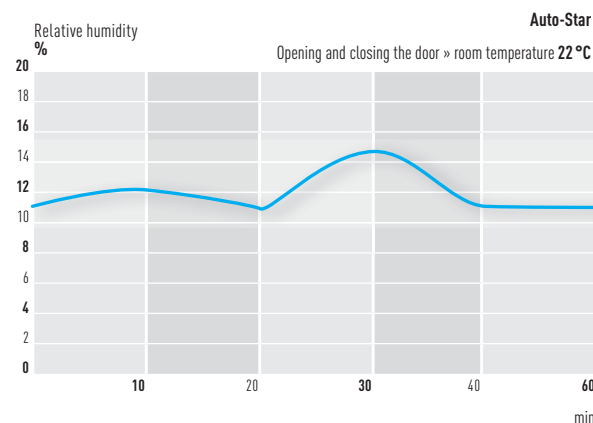
OPENING AND CLOSING THE DOOR

Test procedure:

An Automatic-Desiccator with three shelves is loaded with six bottles of 1.5 litres capacity on the two lower shelves. In addition, there are 12 beakers on the upper shelf. A relative humidity of 13% is produced in the desiccator. The airtight door is opened for 10 seconds and closed. The curves show the relative humidity versus time.

Results:

The humidity falls to the initial value of 13 % after a short period of time. Application errors that may occur with silica gel are avoided.



The initial value is attained after approx. 40 minutes.

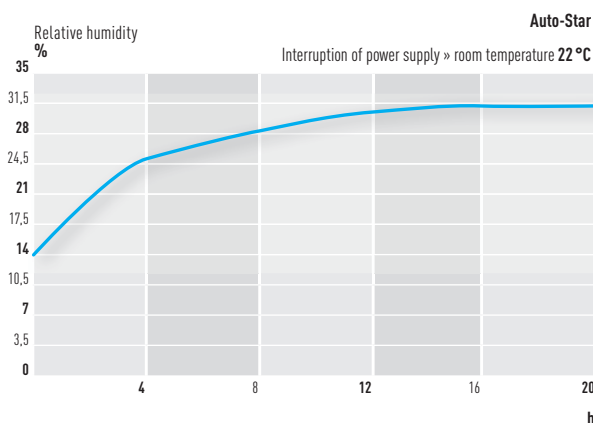
INTERRUPTION OF POWER SUPPLY

Test procedure:

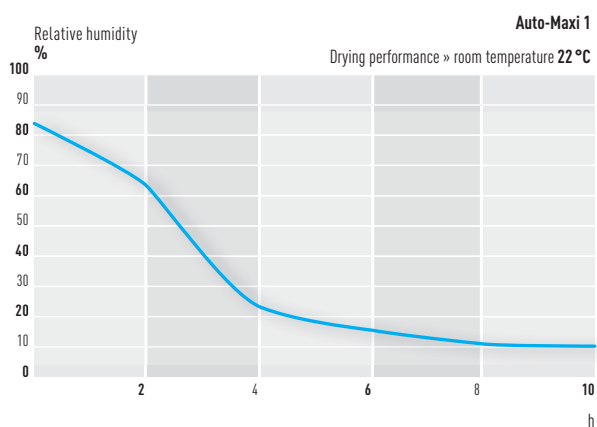
An Automatic-Desiccator with three shelves is loaded with six bottles of 1.5 litres capacity on the two lower shelves. In addition, there are 12 beakers on the upper shelf. A relative humidity of 13 % is produced in the desiccator. Then the desiccator is switched off at a room temperature of 22 °C. The curves show relative humidity versus time.

Results:

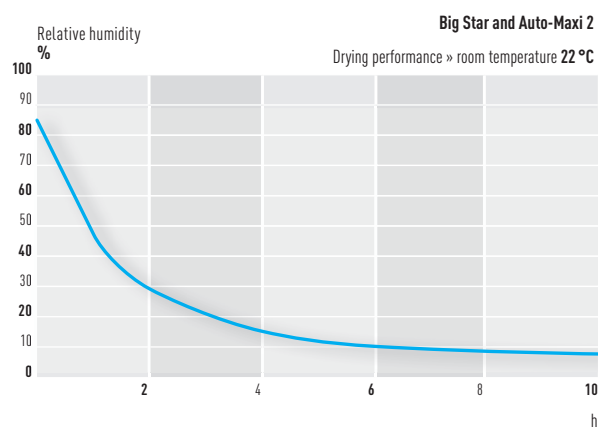
A significant increase of humidity is only noticeable after several hours. This means that the contents of the desiccator remain safe even if the power supply is interrupted.



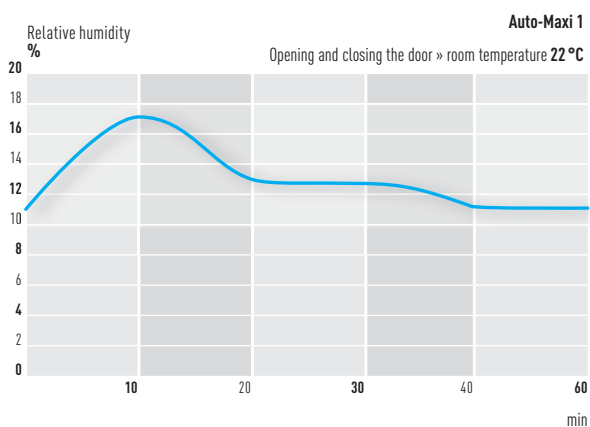
Only 15 % of increase within 20 hours.



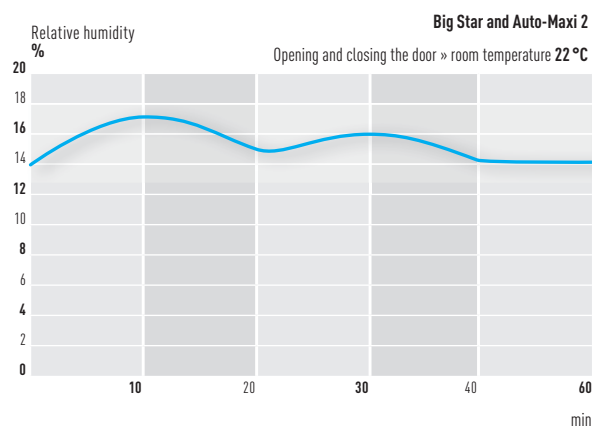
Relative humidity of below 30 % after little more than 3,5 hours.



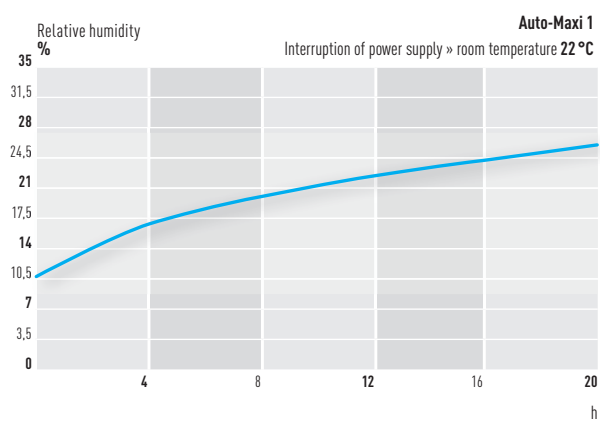
Relative humidity of below 30 % after approx. 2 hours



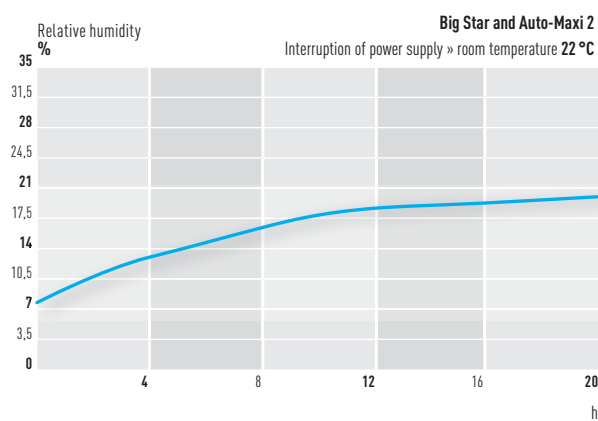
The initial value is attained after approx. 40 minutes



The initial value is attained after approx. 40 minutes



Only 18 % of increase within 20 hours



Only 15 % of increase within 20 hours.

SICCO Electronic Dehumidification System - How it works:

The essential components of the drying unit are dustless, colour-changing silica gel desiccant beads and two fans.

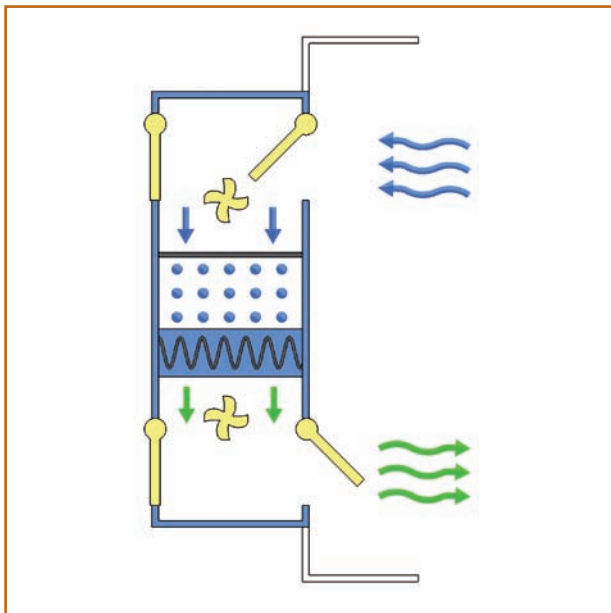
The automatic dehumidification and desiccant regeneration cycle operates continuously every 20 minutes as follows:

The circulating fan draws for 14 minutes interior chamber air across the desiccant and thus dehumidifies the chamber. During this phase, the one-way flap valves are open to the interior of the desiccator and closed to the exterior.

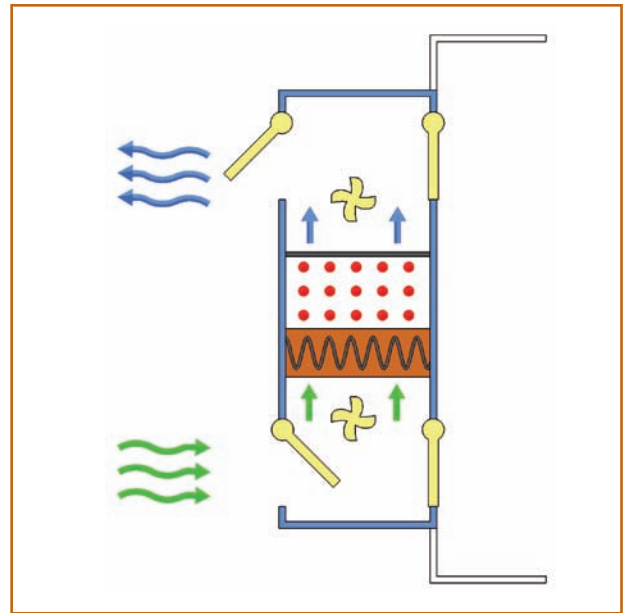
Afterwards the circulating fan is stopped and the silica gel is heated electronically to initiate its regeneration. After one minute, the regeneration fan starts to operate and draws air in an opposite direction to the first fan. Due to the air flow, the one-way flap valves to the interior of the chamber are closed and the valves to the exterior environment are open. The desiccant is heated for another four minutes to release the captured moisture to the ambient air.

At the end of the cycle, the circulating fan operates for one minute with ambient air to cool down the desiccant to the ambient temperature. Then the cycle starts again.

Drying Cycle



Regeneration Cycle



SICCO Auto-Star-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
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Including four shelves made of acrylic glass and hygrometer, usable with up to 26 shelves, stackable. Electrical power connection 230 V / 50 Hz is required.

Cat. No.:	V 1877-07
Overall dimensions* W x H x D mm	310 x 525 x 375
Excess length of drying unit mm	60 back side
Usable interior space W x H x D mm	260 x 480 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7,3
Maximum all-over load per shelf kg	10
Total all-over load kg	30



BESTSELLER

SICCO
Practical Tip

Andreas Bruder » Final quality control

How do you clean the panels correctly?

With a soft cloth and a usual glass cleaner. Do not use solvent containing cleaner with alcohol.

page 64



Shelves

»» The shelves can be inserted in flexible heights. Even the products in the back of the desiccator are easily reachable due to the telescopic shelves. ««

Technician, Analysis of retain samples

Drying properties

Please read our information on pages 36-38.



SICCO Auto-Big-Star-Desiccator

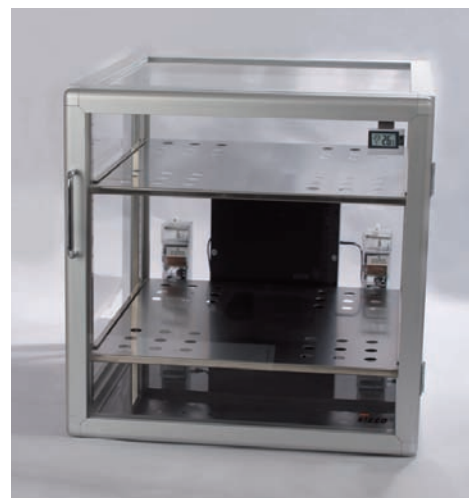
Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	PMMA	-20 °C to +70 °C	normal pressure	rubber feet

Specification:

Including two shelves made of stainless steel, tray and hygrometer, usable with up to 17 shelves. Electrical power connection 230 V / 50 Hz is required.

NEW

Cat. No.:	V 1896-07
Overall dimensions* W x H x D mm	560 x 560 x 580
Excess length of drying unit mm	100 back side
Usable interior space W x H x D mm	495 x 500 x 540
Usable volume liters	140
Total volume liters	150
Weight kg/approx.	22
Maximum all-over load per shelf kg	30
Total all-over load kg	80



SICCO Auto-Maxi 1-Desiccator

Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	PMMA	-20 °C to +70 °C	normal pressure	casters

Specification:

Including four shelves made of stainless steel and hygrometer, usable with up to 34 shelves. Electrical power connection 230 V / 50 Hz is required.

Cat. No.:	V 1914-01
Overall dimensions* W x H x D mm	560 x 1150 x 580
Excess length of drying unit mm	100 back side
Usable interior space W x H x D mm	495 x 1030 x 540
Usable volume liters	280
Total volume liters	300
Weight kg/approx.	31
Maximum all-over load per shelf kg	30
Total all-over load kg	160



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Auto-Maxi 2-Desiccator


Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Specification:

Two compartments, two doors, usable with up to 17 shelves per compartment, standard is two shelves made of stainless steel, two trays and two hygrometers. Electrical power connection 230 V / 50 Hz is required.

Cat. No.:	V 1916-01
Overall dimensions* W x H x D mm	560 x 1150 x 580
Excess length of drying unit mm	100 back side
Usable interior space W x H x D mm	495 x 500 x 540 per compartment
Usable volume liters	140 per compartment
Total volume liters	150 per compartment
Weight kg/approx.	35
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 per compartment
Total all-over load kg	160





SICCO
Practical Tip

Christian Stöhr » Technical department

You need more space in your desiccator?

We offer the optimal solution: All desiccators can be equipped with further removable shelves.

Drying properties

Please read our information on pages 36-38.



SICCO Auto-Desiccator Wall

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Specification:

Six compartments, six doors, each compartment can have up to 17 shelves, standard is 1 shelf made of stainless steel and 1 hygrometer per compartment. Electrical power connection 230 V / 50 Hz is required.

NEW

Cat. No.:	V 1995-08
Overall dimensions* W x H x D mm	1080 x 1870 x 580
Excess length of drying unit mm	100 <small>back side</small>
Usable interior space W x H x D mm	495 x 500 x 540 <small>per compartment</small>
Usable volume liters	140 <small>per compartment</small>
Total volume liters	150 <small>per compartment</small>
Weight kg	100
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 <small>per compartment</small>
Total all-over load kg	200
Ground clearance of lowest chamber mm	240
Automatic drying units	2 <small>per compartment</small>



SICCO Practical Tip
 Andreas Bruder » Final quality control

How can you accelerate the drying procedure?
 By increasing the circulation of air. Just put a small electricity or solar driven ventilator in the inside space.

*** Add. accessories**
 Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Antistatic-Desiccators

SICCO Antistatic-Desiccators can protect electronic components against humidity and airborne particulate. Electrostatic charges are discharged by a grounding cable and a charge neutral atmosphere is produced

inside the desiccator. Antistatic-Desiccators are mainly used for temporary storage of components for electronic products.

Feature Summary

- » Reinforced aluminium frame with antistatic acrylic panels
- » Door with magnetic catch and circular rubber seal
- » Non-slip rubber feet or four casters (two of the casters with brakes)
- » Easily readable electronic hygrometer
- » Variable height shelves made of aluminium or stainless steel
- » Telescopic shelves
- » Connection for grounding cable
- » Tray for desiccant
- » Star-Desiccators include silica gel



SICCO Star-Desiccator Antistatic

Panels:	Material:	Temperature resistance:	Use:	Stand:
bluish	PC / ESD	-20 °C to +70 °C	normal pressure	rubber feet

Specification:

Including four shelves, tray, hygrometer and desiccant, usable with up to 26 shelves, stackable. All materials used can discharge electrostatic charging by means of a grounding cable which can be connected on the back side (connecting thread M6).

Cat. No.:	V 1910-07
Overall dimensions* W x H x D mm	310 x 525 x 375
Usable interior space W x H x D mm	260 x 480 x 330
Usable volume liters	42
Total volume liters	45
Weight kg/approx.	7
Maximum all-over load per shelf kg	10
Total all-over load kg	30



SICCO INNOVATION

Desiccators for wall-mounting

A space-saving alternative to the standard desiccator is the desiccator for wall-mounting. We as manufacturer offer your customized wall-mounted desiccator.

SICCO Maxi 1-Desiccator Antistatic

Panels:	Material:	Temperature resistance:	Use:	Stand:
bluish	PC / ESD	-20 °C to +70 °C	normal pressure	casters

Specification:

Including four shelves made of stainless steel, tray and hygrometer, usable with up to 34 shelves; all materials used can discharge electrostatic charging by means of a grounding cable which can be connected on the back side (connecting thread M6).

Cat. No.:	V 1922-07
Overall dimensions* W x H x D mm	560 x 1150 x 580
Usable interior space W x H x D mm	495 x 1030 x 540
Usable volume liters	280
Total volume liters	300
Weight kg/approx.	30
Maximum all-over load per shelf kg	30
Total all-over load kg	160



Add. accessories

Pages 58-62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Maxi 2-Desiccator Antistatic


Panels: bluish	Material: PC / ESD	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Specification:

Two compartments, two doors, usable with up to 17 shelves per compartment, standard is two shelves made of stainless steel, one tray and one hygrometer per compartment; all materials used can discharge electrostatic charging by means of a grounding cable which can be connected on the back side (connecting thread M6).

Cat. No.:	V 1923-07
Overall dimensions* W x H x D mm	560 x 1150 x 580
Usable interior space W x H x D mm	495 x 500 x 540 per compartment
Usable volume liters	140 per compartment
Total volume liters	150 per compartment
Weight kg/approx.	34
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 per compartment
Total all-over load kg	160






SICCO
Practical Tip

Andreas Bruder » Final quality control

How do you clean the panels correctly?

With a soft cloth and a usual glass cleaner. Do not use solvent containing cleaner with alcohol.

page 64



Drying properties
Please read our information on pages 10-11.

SICCO Big-Star-Desiccator Antistatic

Panels: bluish	Material: PC / ESD	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: rubber feet
--------------------------	------------------------------	--	--------------------------------	------------------------------

Specification:

Including two shelves made of stainless steel, tray and hygrometer, usable with up to 17 shelves. All materials used can discharge electrostatic charging by means of a grounding cable which can be connected on the back side (connecting thread M6).

NEW

Cat.No.:	V 1925-07
Overall dimensions* W x H x D mm	560 x 560 x 580
Usable interior space W x H x D mm	495 x 500 x 540
Usable volume liters	140
Total volume liters	150
Weight kg / approx.	18
Maximum all-over load per shelf kg	30
Total all-over load kg	80



SICCO Desiccator Wall Antistatic

Panels: bluish	Material: PC / ESD	Temperature resistance: -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Specification:

Six compartments, six doors, each compartment can have up to 17 shelves, standard is one shelf made of stainless steel, one tray and one hygrometer per compartment. All materials used can discharge electrostatic charging by means of a grounding cable which can be connected on the back side (connecting thread M6).

NEW

Cat. No.:	V 1997-08
Overall dimensions* W x H x D mm	1080 x 1870 x 580
Usable interior space W x H x D mm	495 x 500 x 540 per compartment
Usable volume liters	140 per compartment
Total volume liters	150 per compartment
Weight kg	100
Maximum all-over load per shelf kg	30
Maximum all-over load kg	80 per compartment
Total all-over load kg	200
Ground clearance of lowest chamber mm	240



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

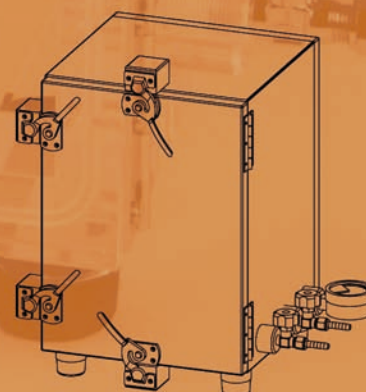
SICCO Vacuum-Desiccators

SICCO Vacuum-Desiccators are suitable for storing sensitive products in a vacuum. The vacuum inside the desiccator ensures rapid drying of the stored products.

These systems allow storage in an oxygen and carbon dioxide free environment and are, for example, suitable for storage of semiconductor samples.

Feature Summary

- » Clear acrylic panels, interior is visible from all sides
- » Circular silicone seal
- » Non-slip rubber feet
- » Variable height shelves
- » Vacuum gauge (0-760 mm of mercury)
- » Vacuum up to 10^{-4} Torr
- » Two needle valves with O.D. 9.0 mm





SICCO Vacuum 1-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: Vacuum up to 10 ⁻⁴ Torr	Stand: rubber feet
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Specification:

Solid walls of 20 mm thickness, circular silicone gasket, vacuum gauge, two needle valves with connectors.

Cat. No.:	V 1880-04
Overall dimensions* W x H x D mm	300 x 340 x 300
Excess length of valves + vacuum gauge mm	100
Usable interior space W x H x D mm	260 x 260 x 260
Usable volume liters	17,5
Total volume liters	17,5
Number of shelves	including 2 shelves; usable with max. 3 shelves
Weight kg	15
Maximum all-over load kg	9
Total all-over load kg	30



BESTSELLER



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Vacuum 2-Desiccator


Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: Vacuum up to 10 ⁻⁴ Torr	Stand: rubber feet
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Specification:

Solid walls of 20 mm thickness, circular silicone gasket, vacuum gauge, two needle valves with connectors.

Cat. No.:	V 1880-08
Overall dimensions* W x H x D mm	300 x 440 x 300
Excess length of valves + vacuum gauge mm	100
Usable interior space W x H x D mm	260 x 360 x 260
Usable volume liters	24,5
Total volume liters	24,5
Number of shelves	including 3 shelves; usable with max. 5 shelves
Weight kg	18
Maximum all-over load kg	9
Total all-over load kg	40





SICCO
Practical Tip

Andreas Bruder » Final quality control

How do you clean the panels correctly?

With a soft cloth and a usual glass cleaner. Do not use solvent containing cleaner with alcohol.

page 64

SICCO Vacuum 3-Desiccator

Panels: clear	Material: PMMA	Temperature resistance: -20 °C to +70 °C	Use: Vacuum up to 10⁻⁴ Torr	Stand: rubber feet
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Specification:

Solid walls of 25 mm thickness, circular silicone gasket, vacuum gauge, two needle valves with connectors.

Cat. No.:	V 1880-12
Overall dimensions* W x H x D mm	315 x 550 x 310
Excess length of valves + vacuum gauge mm	100
Usable interior space W x H x D mm	265 x 460 x 260
Usable volume liters	31,5
Total volume liters	31,5
Number of shelves	including 4 shelves; usable with max. 7 shelves
Weight kg	27
Maximum all-over load kg	9
Total all-over load kg	50



*Overall dimensions are indicated as follows: height, width and depth without attached parts.

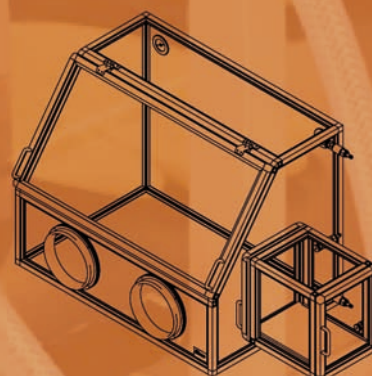
SICCO Glove Boxes

The SICCO Glove Boxes allow safe working with sensitive compounds in a controlled environment. With the natural rubber gloves it is possible to work in an atmosphere with inert gas or nitrogen.

By means of the transfer chamber, the glove boxes can be easily loaded.

Feature Summary

- » Robust and light-weight aluminium construction
- » Superb all-round visibility, non-glare
- » Non-slip rubber feet
- » Cable lead-ins for electric devices
- » Large front opening
- » Gas-filling connectors including quick couplings with self-sealing valves and hose
- » Transfer chamber for inserting further products



SICCO Glove Box

Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	PMMA	-20 °C to +70 °C	normal pressure	rubber feet

Specification:

Made of acrylic panels, PE base panel in the work space, aluminium frame, quick couplings, 1 hose, natural rubber gloves size 9, 2 lead-ins for cables on the backside (upper left and upper right).

NEW

Cat. No. :	V 1984-08
Overall dimensions* W x H x D mm	890 x 700 x 600
Add. space requirement for coupling mm	150
Usable interior space W x H x D mm	850 x 500 x 540
Usable volume litres	260
Weight kg, approx.	14
Maximum all-over load kg	40
Opening for gloves mm	ø 190
Distance between opening for gloves mm	390
Hinged lid opening W x H mm	850 x 425
Bore diameter of quick coupling mm	ø 6
Bore diameter in panels mm	ø 16,5
Length of hose m	5

*Overall dimensions are indicated as follows: height, width and depth without attached parts.



SICCO INNOVATION

Cable lead-ins

You can use electronic devices inside your desiccator with the specially designed cable lead-ins.

page 67

Glove Box

»» The large Swing-up door that is to be opened upwards allows a comfortable experiment set-up. It is space saving, this is what has convinced us. ««

Lab assistant catalyst research

Custom versions also available!



SICCO Glove Box with Transfer Chamber

Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	PMMA	-20 °C to +70 °C	normal pressure	rubber feet

Specification:

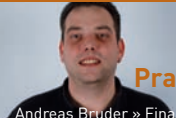
Made of acrylic panels, PE base panel in the work space, aluminium frame, 4 quick couplings, 2 hoses, natural rubber gloves size 9, 2 lead-ins for cables on the backside (upper left and upper right).

NEW

Cat. No. :	V 1982-08
Overall dimensions* W x H x D mm	1210 x 700 x 600
Weight kg, approx.	20
Add. space requirement for coupling mm	150
Usable interior space W x H x D mm	850 x 500 x 540
Usable volume litres	260
Maximum all-over load kg	40
Opening for gloves mm	ø 190
Distance between opening for gloves mm	390
Hinged lid opening W x H mm	850 x 425
Bore diameter of quick coupling mm	ø 6
Bore diameter in panels mm	ø 16,5
Length of hose m	5
Details transfer chamber:	
Overall dimensions* W x H x D mm	320 x 330 x 260
Usable interior space W x H x D mm	220 x 275 x 320
Usable volume litres, approx.	20
Maximum usable height mm	275 » 1000 ml flask with thread GL 45
Maximum usable width mm	200
Weight kg, approx.	6
Distance to bottom mm	40
Maximum all-over load kg	3
Total all-over load kg	3

« »
Special Request?
+49 (0) 93 46-92 86-0


BESTSELLER



SICCO
Practical Tip

Andreas Bruder » Final quality control

How do you clean the panels correctly?

With a soft cloth and a usual glass cleaner. Do not use solvent containing cleaner with alcohol.

page 64

SICCO Glove Box with Transfer Chamber Antistatic

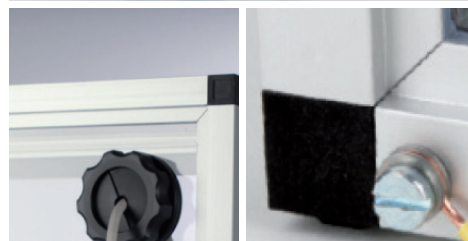
Panels:	Material:	Temperature resistance:	Use:	Stand:
clear	PC / ESD	-20 °C to +70 °C	normal pressure	rubber feet

Specification:

Made of polycarbonate, PE base panel in the work space, aluminium frame, 4 quick couplings, 2 hoses, one pair of gloves (conductive EPDM, size 9,75), 2 lead-ins for cables on the backside (upper left and upper right), all materials used can discharge electrostatic charging by means of a grounding cable which can be connected on the back side (connecting thread M6).

NEW

Cat. No.:	V 1992-08
Overall dimensions* W x H x D mm	1210 x 700 x 600
Weight kg, approx.	20
Add. space requirement for coupling mm	150
Usable interior space W x H x D mm	850 x 500 x 540
Usable volume litres	260
Maximum all-over load kg	40
Opening for gloves mm	ø 190
Distance between opening for gloves mm	390
Hinged lid opening W x H mm	850 x 425
Bore diameter of quick coupling mm	ø 6
Bore diameter in panels mm	ø 16,5
Length of hose m	5
Details transfer chamber:	
Overall dimensions* W x H x D mm	320 x 330 x 260
Usable interior space W x H x D mm	220 x 275 x 320
Usable volume litres, approx.	20
Maximum usable height mm	275 » 1000 ml flask with thread GL 45
Maximum usable width mm	200
Weight kg, approx.	6
Distance to bottom mm	40
Maximum all-over load kg	3
Total all-over load kg	3



Add. accessories

Pages 58–62.

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Extractor Hood

The design of the SICCO Extractor Hood has focused on combining usability with safety and protection from contamination.

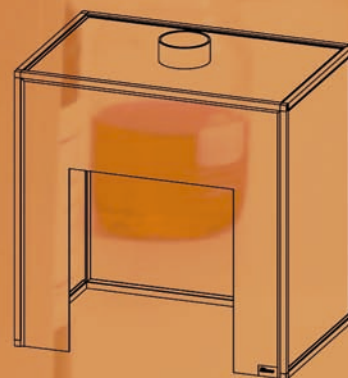
A light and rigid frame made of anodized aluminium. Panels made of 5mm thick polycarbonate. Top panel with integrated pipe connection made of polypropylene

for a good chemical resistance.

An economic and functional solution for many kinds of industrial applications such as handling of varnish or combustible liquids. In schools for chemical experiments and much more.

Feature Summary:

- » Robust and light aluminium construction
- » Transparent and shatter-proof panels made of 5mm thick polycarbonate
- » Standard connection for aspirator tube
- » Superb all-round visibility, non-glare
- » Large front opening for easy working
- » Top made of polypropylene for a good chemical resistance



SICCO Extractor Hood

Panels: **clear** Material: **PC / PP** Temperature resistance: **-20 °C to +70 °C**

Specification:

Panels made of polycarbonate, top and integrated connector made of polypropylene, anodized aluminium frame.

NEW

Cat.No.:	V 1960-02
Overall dimensions W x H x D mm	900 x 900 x 600
Usable interior space W x H x D mm	860 x 880 x 560
Opening W x H mm	545 x 600
Connector Ø	DN 160
Weight kg, approx.	20

Cat.No.:	V 1960-04
Overall dimensions W x H x D mm	1200 x 900 x 600
Usable interior space W x H x D mm	1160 x 880 x 560
Opening W x H mm	850 x 600
Connector Ø	DN 160
Weight kg, approx.	23



« »
Special Request?
+49 (0) 93 46-92 86-0

*Overall dimensions are indicated as follows: height, width and depth without attached parts.

SICCO Accessories for desiccators

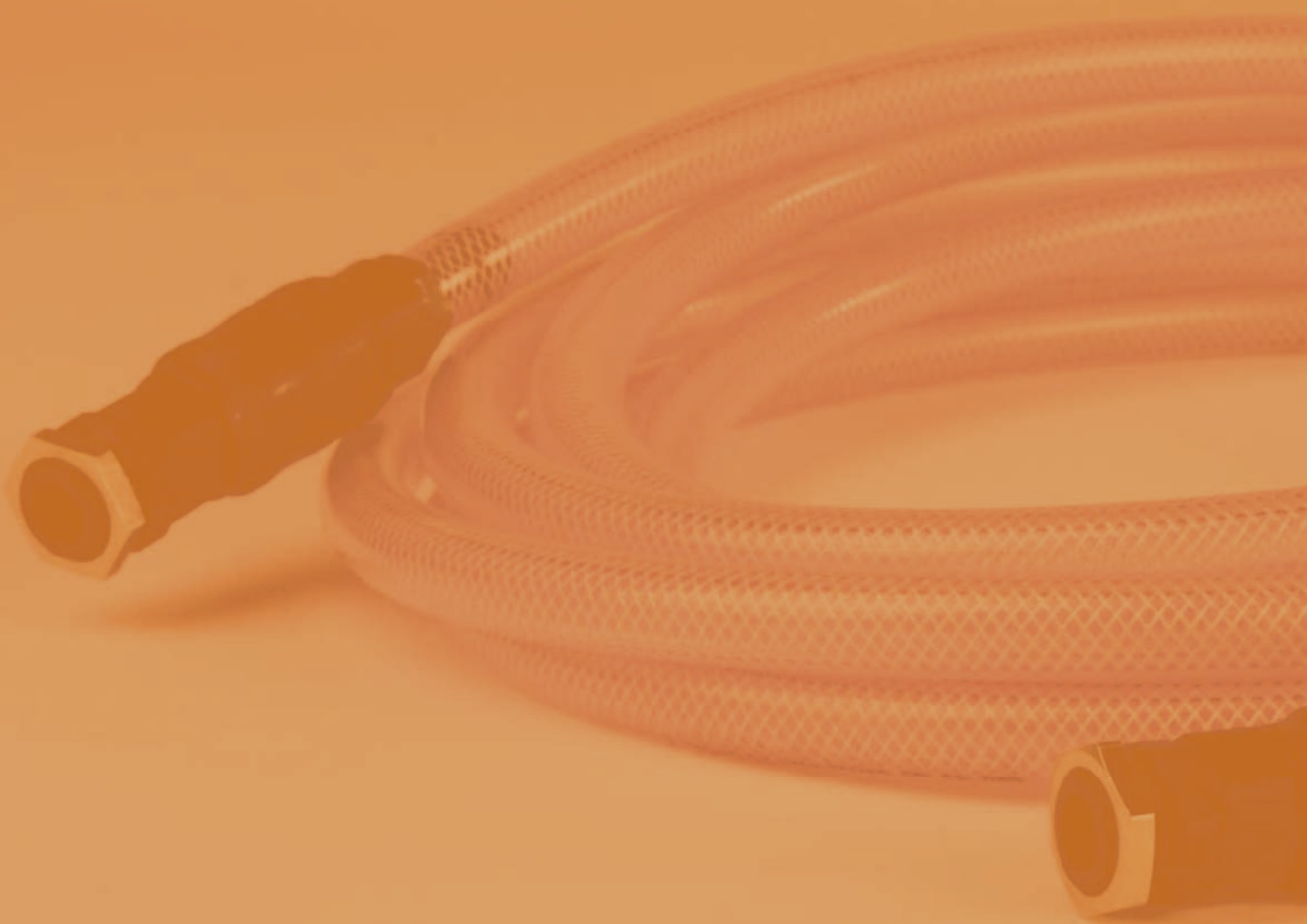
On the following pages you can find practical accessories which will help you to adapt your SICCO Desiccators to your application.

Increase space for your humidity sensitive products by using additional shelves or drawers.

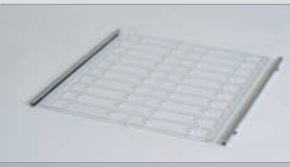


Monitor the exact conditions inside the desiccators with a hygrometer or a humidity-temperature probe with USB-interface.



Hoses, trays, desiccant?
Just take a look at the following pages!

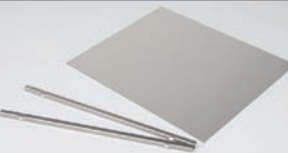
Of course you will receive all this in the usual SICCO high quality.

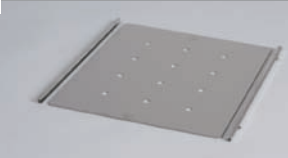






Suitable for:	Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Cat. No.	
Star, Super-Star, Protect-Star, Auto-Star,	Shelf 258 x 4 x 320 mm; including 2 rails	PMMA, transparent rails made of aluminium	approx. 420 g including rails	V 1860-67 until unit no. 21116	
	Shelf 258 x 4 x 320 mm; including 2 rails	PMMA, transparent rails made of Polyamide	approx. 420 g including rails	V 1860-68 from unit no. 21117	
	Shelf 258 x 2 x 320 mm; with 12 bores Ø 10 mm including 2 rails	stainless steel, usable up to 150 °C rails made of aluminium	approx. 1.305 g including rails	V 1860-51 until unit no. 21116	
	Shelf 258 x 2 x 320 mm; with 12 bores Ø 10 mm including 2 rails	stainless steel, usable up to 150 °C rails made of polyamide	approx. 1.305 g including rails	V 1860-52 from unit no. 21117	
	Collecting tray 235 x 80 x 320 mm max. collecting capacity 1,5 liter including 2 rails	welded stainless steel; max. all-over load: 12 kg; Collecting tray function: 20 mm height rails made of aluminium	approx. 1.200 g including rails	V 1952-08 until unit no. 21116	
	Collecting tray 235 x 80 x 320 mm max. collecting capacity 1,5 liter including 2 rails	welded stainless steel; max. all-over load: 12 kg; Collecting tray function: 20 mm height rails made of polyamide	approx. 1.200 g including rails	V 1952-16 from unit no. 21117	


Suitable for:	Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Cat. No.	
Tower-Star	Shelf 258 x 4 x 320 mm; including 2 rails	PMMA, transparent rails made of aluminium	approx. 420 g including rails	V 1860-67	
	Shelf 258 x 2 x 320 mm; with 12 bores Ø 10 mm including 2 rails	stainless steel, usable up to 150 °C rails made of aluminium	approx. 1.305 g including rails	V 1860-51	
	Collecting tray 235 x 80 x 320 mm max. collecting capacity 1,5 liter including 2 rails	welded stainless steel; max. all-over load: 12 kg; Collecting tray function: 20 mm height rails made of aluminium	approx. 1.200 g including rails	V 1952-08	


Suitable for:	Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Cat. No.	
Horizontal-Star	Shelf 474 x 4 x 320 mm; including 2 rails	PMMA, transparent rails made of aluminium	approx. 735 g including rails	V 1860-72 until unit no. 21116	
	Shelf 474 x 4 x 320 mm; including 2 rails	PMMA, transparent rails made of polyamide	approx. 735 g including rails	V 1860-73 from unit no. 21118	

Suitable for:	Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Cat. No.	
Star Antistatic	Shelf 258 x 2 x 320 mm; including 2 rails	Aluminium	approx. 490 g including rails	V 1860-55	

Suitable for:	Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Cat. No.	
Vitrum-Star	Shelf 258 x 2 x 320 mm; with 12 bores Ø 10 mm including 2 rails	stainless steel, usable up to 150 °C rails made of aluminium	approx. 1.305 g including rails	V 1860-51	
	Collecting tray 235 x 80 x 320 mm max. collecting capacity 1,5 liter including 2 rails	welded stainless steel; max. all-over load: 12 kg; Collecting tray function: 20 mm height rails made of aluminium	approx. 1.200 g including rails	V 1952-08	

Suitable for:	Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Cat. No.	
Maxi 1 and 2, Big Star, Desiccator Wall	Shelf 495 x 0,8 x 515 mm with 36 bores Ø 20 mm including 2 rails	stainless steel, usable up to 150 °C rails made of aluminium	approx. 1.800 g including rails	V 1860-02	
	Collecting tray 472 x 120 x 515 mm including 2 rails max. collecting capacity 3,5 liter	welded stainless steel; max. all-over load: 30 kg; Collecting tray function: 15 mm height	approx. 3.300 g including rails	V 1951-08	
	Collecting tray 472 x 180 x 515 mm including 2 rails max. collecting capacity 4,5 liter	welded stainless steel; max. all-over load: 30 kg; Collecting tray function: 20 mm height	approx. 4.100 g including rails	V 1951-16	

Suitable for:	Product description Dimensions: width x height x depth	Material / Special features	Weight	Cat. No.	
Mini	Shelf 211 x 2,0 x 178 mm	PMMA, transparent	approx. 90 g	V 1860-75	

Suitable for:	Product description Dimensions: width x height x depth	Material / Special features	Weight	Cat. No.	
Vacuum	Shelf 258 x 5,0 x 250 mm	PMMA, transparent	approx. 380 g	V 1860-30	

Product description Dimensions: width x height x depth	Material / Special features	Weight	Suitable for:	Cat. No.	
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Trays

NEW

247 x 30 x 297 mm
for 1000 g Silicagel

PBTP

365 g

all Desiccators
(except Mini,
Vacuum)

V 1861-07



Desiccant

Silica gel
with colour indicator from orange
to dark brown and black,
(does not contain cobalt-II-
chloride)

Grain size 2,0–5,0 mm,
loss after drying
< = 4 %

360 g

V 1895-04

720 g

V 1895-08



NEW

Desiccant Cartridge
Aluminium cartridge with
encapsulated silica gel, saturation is
displayed on the top side by colour
indicator from blue to pink.
width x height x depth 102 x 12 x 53 mm

40 g

Mini and
Star Desiccators

V 1901-04



NEW

Desiccant Cylinder
Aluminium cylinder with
encapsulated silica gel, saturation is
displayed on the top side by colour
indicator from blue to pink.
height x diameter 136 x 108 mm

750 g

all Desiccators

V 1902-04



Silica gel
with colour indicator from
orange to dark brown and black,
regenerative
(does not contain cobalt-II-
chloride)height x diameter
45 x 41 mm

Grain size 2,0–5,0 mm,
loss after drying < =
4 %

23 g

Mini Desiccators

V 1903-04



Hoses

PVC hose for introduction of gas,
including two quick couplings
made of POM and non-return
valve.







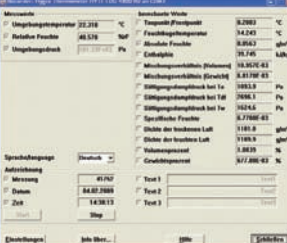
PVC Fibre hose
I.D. 9 mm x O.D. 15 mm


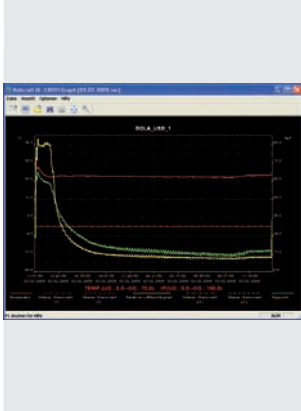


5 m Length

Desiccators for
gas-filling

V 1864-01



Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Suitable for:	Cat. No.	
Hygrometers					
Electr. Thermo-Hygrometer with max-min function; 52 x 15 x 39 mm; including LR 44 button cell, fastener and fastening screws	Measuring ranges: Temperature -10 to +60 °C Humidity 10–99 % r.h.. Max. measuring error: ± 1 °C at -10 bis +50 °C ± 5 % r.h. at 25–75 % r.h. and 0–50 °C	30 g	Star-Desiccators Maxi-Desiccators	V 1863-07	
Electr. Thermo-Hygrometer with max-min function; 52 x 15 x 39 mm; including LR 44 button cell, fastener and fastening screws	Measuring ranges: Temperature -10 to +60 °C Humidity 10–99 % r.h.. Max. Measuring error: ± 1 °C at -10 to +50 °C ± 5 % r.h. at 25–75 % r.h. and 0–50 °C	30 g	Mini Desiccators	V 1863-05	
Electr. Thermo-Hygrometer with max-min function, large display; 110 x 20 x 95 mm; including battery 1,5 V AAA, fastening material	Measuring ranges: Temperature -10 to +60 °C Humidity 10–99 % r.h.. Max. Measuring error: ± 1 °C at -10 to +50 °C ± 5 % r.h. at 25–75 % r.h. and 0–50 °C	171 g	Star-Desiccators, Maxi Desiccators	V 1866-07	
Hygrometer for continuous measurement of humidity, dew point and temperature, with optical LED alarm, long-run stable, sturdy, maintenance-free, humidity sensor insured to condensation, calculation of dew point td, indication of maximum and minimum values					
120 x 40 x 89 mm; including battery, calibration report resolution 0.1% r.h. / 0.1 °C, measuring cycle 18 seconds	Measuring range: -10 to +70 °C, ± 0,5 °C +2 to 98 % rh, ± 2 % -40 to +70 °C td durability 8736 h	168 g	Star-Desiccators, Maxi Desiccators	V 1859-08	
Humidity-Temperature Probe with USB-Interface					
Combined temperature and humidity probe which can be directly driven by a PC by means of USB interface in handle, wide measuring range, high resolution, very good linearity and durability, calculation and indication of dew point, absolute humidity, vapor pressure, saturated vapor pressure and enthalpy, tabulated measured values, data are recorded on hard disk, humidity is measured with a long-term stable, capacitive polymer sensor, for monitoring store rooms in food production industry, quality control or HVAC technology, humidity measuring systems for custom projects, microcontroller applications, for Windows or Linux					
Combined temperature and humidity probe, including carry case and Windows-software for measured value display and data recording as well as USB plug type A, 1.1 or 2.0 compatible	Dim. of stainless steel tube Ø 12 x 125 mm and sintering filter, Measuring range: 0–100% rh, ± 2 % and -40 to 80 °C, ± 0,5 K Humidity: 0,01% rh Temperature: 0,01 K	100 g	Star Desiccators Maxi Desiccators	V 1868-08	 

Product description <i>Dimensions: width x height x depth</i>	Material / Special features	Weight	Suitable for:	Cat. No.	
USB-Datalogger					
<p>Compact data logger with built-in lithium battery for recording temperature and humidity. The stored data can be read out via USB interface and charted with the included software or exported for further processing with other programs (e.g. Excel). For recording of 16.000 measurements of temperature and humidity.</p>					
<p>130 x 30 x 25 mm Reacting frequency: 2 / 5 / 10 / 30 seconds, 1 / 5 / 10 / 30 minutes, 1 / 2 / 3 / 6 / 12 / 24 hours</p> <p>software for Windows 98/2000/XP/Vista, lithium battery (lifespan approx. 1 year for recording intervals of 5 sec or 2.5 years for intervals of 10 sec), wall bracket, operating instructions on CD</p>	<p>Measuring ranges: Temperature: -40 to +70 °C, ± 1 °C Response time approx. 20 s</p> <p>Relative humidity: 0-100 % RH, ± 3 % Response time approx. 5 s</p> <p>Accuracy of dew point (at 25 °C and 40-100 % RH): ± 2 °C Resolution: 0.1 °C / 0.1 % RH</p>	<p>20 g</p>	<p>Star Desiccators Maxi Desiccators</p>	<p>V 1869-08</p>	
Gloves					
<p>Mutually wearable; suitable for holes of Ø 190 mm perforation- and abrasion-proof, high flexibility, low voltage value; low electrostatic charging, Length 750 mm Natural rubber</p>	<p>Size 7 Size 8 Size 9</p>			<p>V 1972-07 V 1972-08 V 1972-09</p>	
<p>Mutually wearable; suitable for holes of Ø 190 mm perforation- and abrasion-proof, high flexibility, low voltage value; electroconductive 10⁵ ohm, Length 800 mm EPDM conductive, black</p>	<p>Size 9,75</p>			<p>V 1974-09</p>	



- » Cleaning
- » Assembly of shelves
- » Efficient use of Silica Gel
- » Optimise drying efficiency
- » Safe assembly of cables
- » Materials

Cleaning of Desiccators

For the correct cleaning, use a soft cloth or a sponge (no microfiber) so that the panels will not get scratches. Glass cleaner or pH-neutral cleaner have proved its worth. There are also special antistatic plastic cleaner and caring products that avoid the electric static charging of the panels. Thereby less dust and floating particles are energized. Do not use cleaner with acetone, benzol or carbon tetrachloride. These substances damage the surface by softening or blurring it.



Suspension arrangements and Rails

With the numbered suspension arrangements and rails of the SICCO Star Desiccators you can easily and quickly position your shelves. You will not have to test until the shelves have found their horizontal position. The consecutive numeration on the rail system helps in addition for the documentation of your experiment.



Proper use of desiccant

The humidity in your desiccator can be reduced most rapidly if you spread it on a big surface. The provided desiccant tray is best suitable for it. Please make sure that the desiccant surface is not higher than one centimeter. If you have to increase the desiccant quantity for your experiment, please take another tray.

Up to 16 g humidity can be absorbed by the SICCO desiccant within 24 hours.



Regeneration of Silica Gel

Silica Gel has a color-indicator that shows the rate of saturation of the desiccant. Orange means dried and absorptive, dark brown to black means saturated. To regenerate the desiccant, put it into the oven at 90-110°C together with the provided tray for 90 minutes. A microwave is unsuitable for this. You have to calculate 90 minutes for regeneration per centimeter filling height. Overheated desiccant is destroyed and cannot be regenerated. Please store the not required Silica Gel in an hermetically sealed jar.



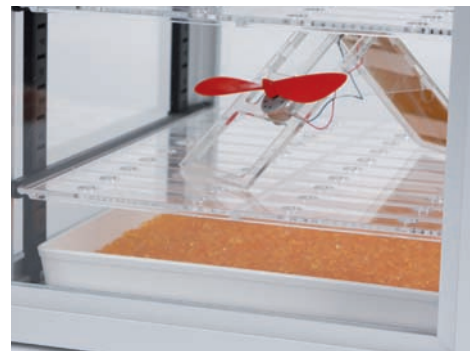
Reduction of humidity

In the desiccators without automatic drying, the reduction of humidity occurs through the inserting of Silica Gel. This desiccant has the property to bind humidity from the environment. If the desiccant is saturated, it can be regenerated. If humidity does not decrease as required, the Silica Gel is already saturated or too less Silica Gel is used. Increase the portion. Check if the door closes correctly or if the sealing is damaged. Check if the hygrometer is working by comparing it with another one. Insert a new battery.



Faster decrease of humidity in your desiccator

You can put a little ventilator inside your desiccator for a better air circulation and thus a faster decrease of humidity. It can be driven by solar cells or a cable to an external power source. Normally, the cable of a transformer is thin enough to be lead into the desiccator through the sealing at the hinge side. Thick cables can be put in without difficulty because of the SICCO cable lead-in. The cable lead-in can be installed in a new desiccator.



Reduction of air exchange

When opening the door of the desiccator, the humid air from the environment intermixes with the dry air in the desiccator. In order to keep the air exchange as low as possible, form an artificial wall by putting large vessels in the front part of the desiccator. This barrier distracts the incoming air. In case of empty shelves, you can additionally glue a paper or a film in the gaps and thus reduce the circulation of air.



The SICCO cable lead-in

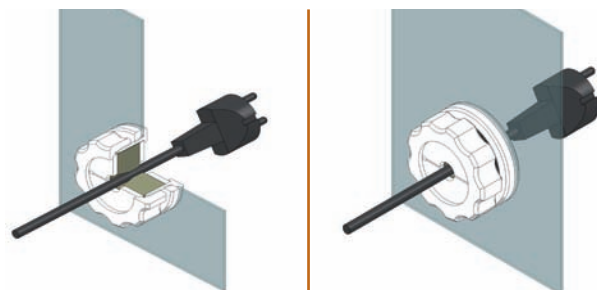
You can use electronic devices inside your desiccator with the specially designed cable lead-ins. The cable lead-in allows the complete cable to be pulled through the desiccator wall; there is no need to detach the plug. Multi-core and flat cables with a diameter between 0,1 and 10 mm are fixed and sealed safely.



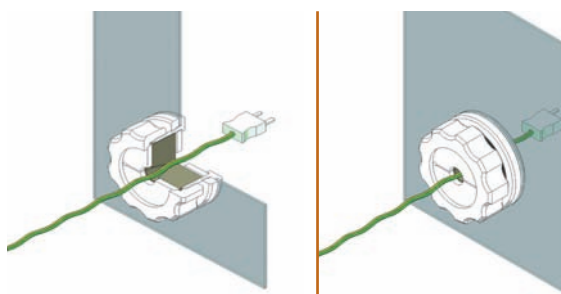
Tip: Even tubes with hard walls can be inserted and sealed tightly.



round power cable with plug



bipolar power cable with SMP plug



SICCO Materials

PMMA

coll: acrylic glass
 also known under the tradename
 Plexiglas® of company
 Evonik Röhm GmbH
 Synthetic, thermoplastic material;
 Break proof and impact resistant;
 Very good surface, shiny; Good resistance
 to dilute acids and alkali, limited
 resistance to organic solvents; Flammable
 properties similar to hardwood;
 Very low production of smoke if burnt;
 Gases emitted when burning are neither
 toxic nor corrosive;
 Usable up to approx. +70 °C
 Volume resistivity: >10¹⁵ Ω/cm,
 test specification DIN VDE 0303,
 Surface resistivity: 5 x 10¹³ Ω,
 test specification DIN VDE 0303, part 3;
 Transmittance tD65: ~92 %,
 test specification DIN 5036, part 3

PMMA orange

Properties: see above;
 tD65 = transmittance according to
 DIN 5036 at standard illuminant D65
 (daylight, approx 6500 K, DIN 5033): 42 %
 aD65 = absorbance according to
 DIN 5036: 52 %

PC

Polycarbonates are plastics that belong
 to the group of synthetic polymers and to
 the family of polyesters. Polycarbonates
 are transparent and non-coloured but they
 can easily be coloured. The material is
 characterized by its high stability, impact
 resistance, stiffness as well as its rigi-
 dity. Polycarbonates are widely resistant
 against atmospheric conditions and radi-
 ation. They're flammable but can easily
 be extinguished by erasing the source
 of ignition. Moreover polycarbonates are
 good isolators. They're water resistant,
 resistant against many mineral acids and
 hydrous solutions of neutral salts and
 oxidants. Also some other non-polar orga-

nic solvents like carbon hydride and many
 oils and fat do not cause any damage to
 polycarbonates. However polycarbonates
 aren't resistant against chlorinated
 carbon hydrides, e.g. dichloromethane. It
 is also instable against hydrous alkaline
 solutions, amines and ammonia.

Polycarbonate

PC-ESD is made of transparent, two side
 coated permanent static dissipative
 material. The dissipative property reduces
 particle attraction and the generation of
 electrostatic fields. Complies with
 EN 61340-5-1 and ANSI/ESD S20.20-1999

Borosilicate glass

is crystal-clear, non-coloured and shows
 no significant absorption in the visible
 spectrum. The permeability of ultraviolet
 radiation allows it to use the products for
 photochemical reactions. The refraction
 index is at 1,472 (with 589,3 nm) and the
 photoelastic constant is B 3,6 10⁻⁶ MPa-
 1. The physical properties of borosilicate
 glass are described in norm DIN ISO 3585.
 Borosilicate glass has a high chemical
 resistance against alcohols, water and
 acids and their mixtures, as well as
 chlorine, iodine, bromine. The interaction
 of water only has a small effect on the
 glass. A thin layer of fused quartz is built
 up which reduces a further attack on the
 glass.

Water resistance (ISO 719)
 Water classification 1
 Acid resistance (ISO 1776)
 Acid classification 1-2
 Alkali resistance (ISO 695)
 Alkali classification 2

Relative humidity

Percentage ratio between water vapor
 pressure and saturated water vapor pres-
 sure over a clear and even water surface.
 On this basis it is easy to evaluate how
 quickly evaporation will proceed or how
 large is the danger of condensation. The
 quantity of water vapor which would be
 needed for saturation increases with
 increasing temperature. Similarly the
 relative humidity of a given air mass falls
 with increasing temperature. Temperature
 is therefore an important factor in asses-
 sing relative humidity and condensation

Silica gel

Silica gel is a colourless amorphous
 silicic acid with a gel-like consistency. It
 has a large inner surface area. It is very
 hygroscopic and can be used as gelling
 agent, filtering or absorption material
 and desiccant. Normally coupled with an
 indicator, silica gel changes colour as
 soon as it absorbs water; the gel remains
 pourable and dimensionally stable even in
 saturated condition. It can be regenerated
 on a metallic sieve or on a baking tray at
 approx. 90-110 °C (a microwave oven is
 not suitable for regeneration!).

Dew point

The dew point is the temperature at which
 water vapour starts to condense.

Fax
+49 (0) 93 46 - 92 86-51

or by E-Mail:
inquiry@sicco.de

As a manufacturing company we can make products to your specifications. Send us a drawing or sketch together with answers to the questions listed below.

Return this form with contact details by **fax or e-mail** and we will be in touch to discuss details and give you a free, no obligation quote.

Sender

Company _____

Department _____

Contact person _____

Date and time to call _____

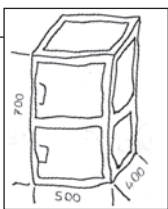
Address or P. O. Box _____

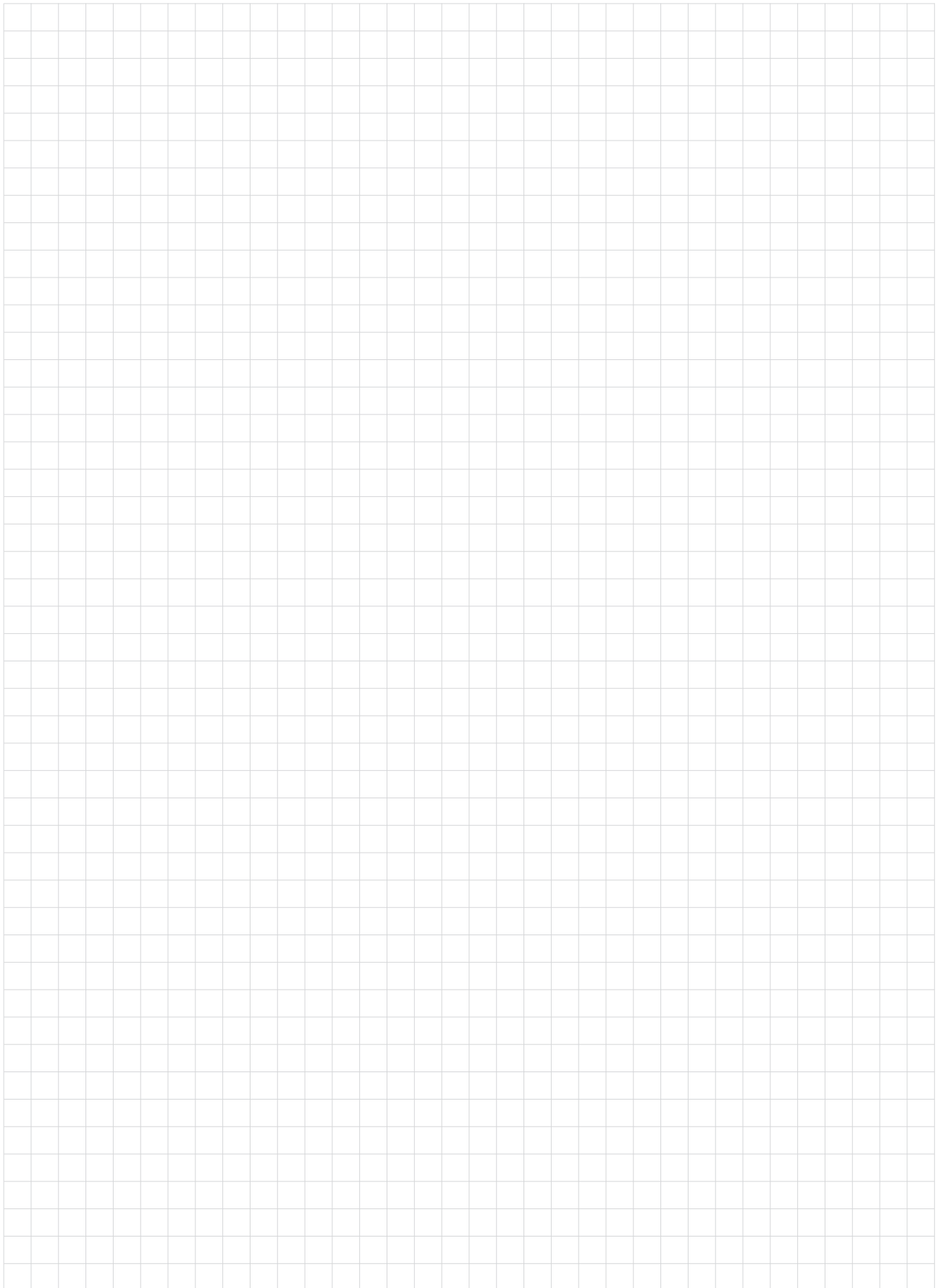
Postal Code and City _____

Phone / Fax _____

E-Mail _____

- » Describe the desiccator required. _____
- » For which application do you need the desiccator? _____
- » Which are the critical outer or inner dimensions? _____
- » Specify which materials you would like to store. _____
- » Which kind of acrylic panels do you need? _____
- » How many shelves do you need? _____
- » What will be the max. weight/load? Per shelf? _____ Per desiccator? _____
- » Do you need accessories (e. g. cylinder lock, gas fill, etc.)? _____
- » State quantities. _____
- » What is the budgetary price range per desiccator? _____







MANEKO spol. s r.o.
Na Piskách 71
160 00 Praha 6
Tel.: +420 233 335 638 - 9
Fax: +420 233 332 656
E-mail: maneko@maneko.cz
www.maneko.cz

SICCO

A PRODUCT BRAND OF
BOHLENDER GmbH
Waltersberg 8
D 97947 Grünsfeld
Germany

Phone: +49 (0) 93 46 - 92 86-0
Fax: +49 (0) 93 46 - 92 86-51
Mail: info@sicco.de
www.sicco.de