



Desiccators and Drying Cabinets



1000 sensitive substances and components. The safe solution:

SICCO Desiccators and Glove Boxes



Super Desiccator Wall

from page 2



Desiccators for gas filling

from page 6



Desiccators for drying/storage

from page 8

How to work with: Working with the **SICCO Super-Desiccators Wall**

The SICCO Super-Desiccator Wall enables an easy storage of your products in an inert and dry atmosphere with low oxygen by flushing the compartments, for example, with nitrogen. Please note that the

desiccator wall is not suitable for an operation under pressure or vacuum as during gas purging the exhaust air connection always has to be open.

Safely locked

Six individual compartments, each with a door with magnetic catch and cylinder lock. Protect your samples and products from unauthorized access or unwanted air exchange. The interior space can be used optimally by ordering additional shelves.



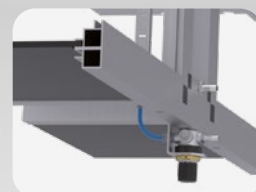
Flexible in use

Each compartment is equipped with a flow meter, which allows an easy control of the individual gas supply. If a compartment is not used, the gas supply can easily be stopped. Hygrometers at the doorframes with easy-to-read displays show the relative humidity in each compartment.



No tubing mess

The pipes for flushing each compartment with gas are placed inside the frame and are connected to a central gas supply. A pressure regulator ensures an even gas flow. The exhaust air pipes are also connected centrally and in this way, two pipelines are enough to supply all compartments with gas and discharge exhaust air.



Easy relocation

The desiccator wall is equipped with four casters so it can easily be moved and positioned. Two of them are with brakes to keep the desiccator in a safe position.

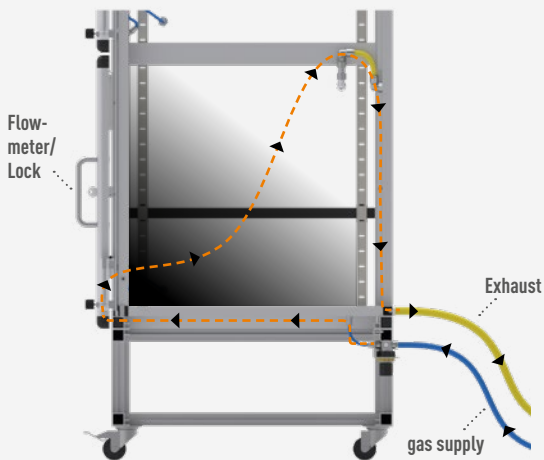
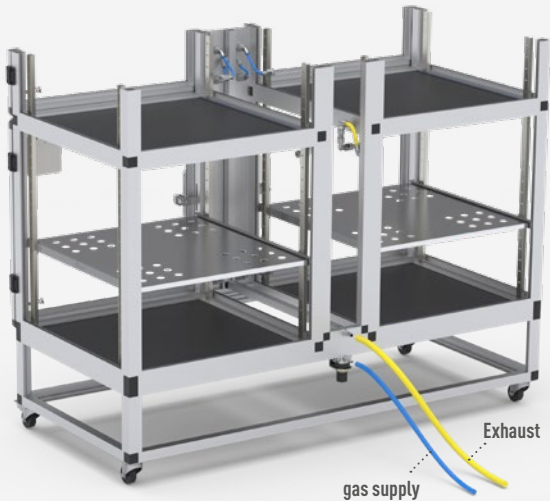


SICCO Super-Desiccator Wall

Panels: clear	Material: PMMA	Temperature resistance: from -20 °C to +70 °C	Use: normal pressure	Stand: casters
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Description:
Aluminium frame with panels made of acrylic glass, six compartments and six doors with cylinder lock, including six hygrometers, six trays and six shelves made of stainless steel, usable with up to 8 shelves per compartment, with four casters (two with brakes) and central connection for exhaust air and gas filling including pressure regulator at rear side. A pipe system leads the gas into the individual compartments; each compartment is equipped with a flow meter to control the gas supply, a non-return valve at the exhaust air connection of each compartment prevents gas from flowing back into the compartment. Tubes for gas filling are not included.

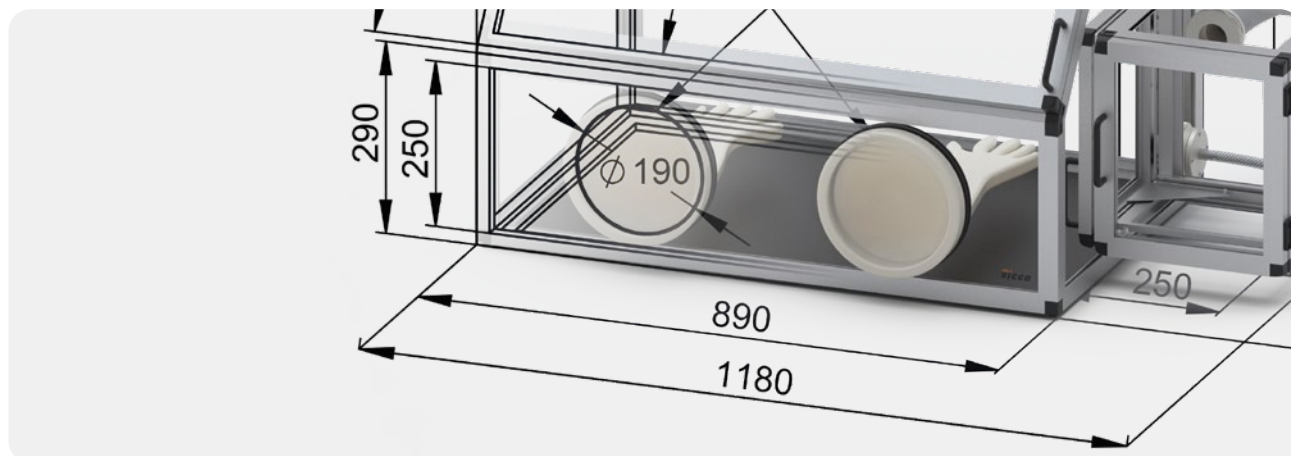
Cat. No.: / *recomm. price Euro	V 1996-08 / 14 122,61
Overall dimensions* W x H x D mm	1240 x 1866 x 583
Usable interior space W x H x D mm	502 x 502 x 502 per chamber
Interior volume liter	126 per chamber
Weight kg	86
Maximum all-over load per shelf kg	30 / 200 per chamber
Maximum all-over load kg	200
Ground clearance of lowest chamber in mm	258
Connection gas supply for tubing I.D.-Ø mm	6
Connection exhaust air for tubing I.D.-Ø mm	9
Usable floor space per shelf, kg	479 x 515
Minimum distance between shelves	39
Additional shelves including rails	V 1860-03



Additional Accessories !
You can find more accessories
in the SICCO catalog or online
at www.sicco.de/en.



Or 100 Percent individuality: **Made to measure.**



The SICCO standard product range already covers many extras and special requests. You are looking, however, for a special solution. Something that even BOHLENDER does not have in stock?

In this case we as a manufacturer offer “made to measure”-service. Just talk to our experts about your ideas, we will be glad to assist you – beginning with the construction and realizing manufacture exactly as per your request, starting with 1 piece. We only need a drawing (an approximate draft is enough) and some information.

Check-list for your Desiccator “made to measure”:

- ✓ What is the application the desiccator is used for?
- ✓ Which outside dimensions should your desiccator have?
- ✓ What should be stored?
- ✓ What material do you need for the desiccator panels?
- ✓ How many shelves do you need?
- ✓ What is the maximum expected weight? Pershelf, per desiccator?
- ✓ Which accessories do you need (lock, connectors for gas-filling ...)?
- ✓ How many desiccators do you need?
- ✓ What is the maximum budget you would like to spend per desiccator?

You have a special request?
Call us on: **+49 (0) 93 46-92 86-0**

Or just send us a drawing (a rough sketch is sufficient) and some information to info@sicco.de. We will then contact you to discuss further details and establish an offer for you free of charge.

Also made by Bohlender.

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www.bsafede.de or +49 (0) 93 46-92 86-0

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SICCO Desiccators for Gas Filling

Panels

The desiccator offers a all-round visibility. You can either choose panels made of acrylic or borosilicate glass and in all dimensions.



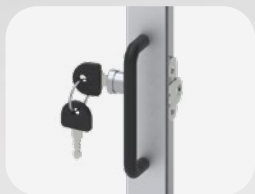
Shelves

Depending on the model, up to four shelves are included in the scope of delivery and can be mounted in freely choosable distances. All shelves are telescopic so the complete surface is perfectly reachable. Further shelves can be reordered as needed.



Cylinder lock

Avoids unintended opening of the desiccator and thus escape of introduced gases. The cylinder lock is already delivered with the model Super-Star-Desiccator, all other sizes can be equipped with this modification on request.



Quick couplings for tubes

Adapted for the connection of the delivered tubes for gas-filling. Through an integrated valve, the couplings are sealed in case no tubing is connected.



Hygrometer

The Hygrometer is fixed at the door and does not handicap the user during loading or unloading of the desiccator.



SICCO Super Desiccators

Aluminium frame with transparent panels, including shelves, tray for desiccant, hygrometer and tubing (L=5m) with two quick couplings for gas filling.

Type	Super-Star	Super-Star-Vitrum	Super-Big-Star	Super-Maxi 1	Super-Maxi 2	Mini for Gas-Filling Premium
						
SICCO Cat.No.:	V 1875-07	V 1825-07	V 1935-07	V 1932-01	V 1933-01	V 1949-06
Panels	acrylic glass	borosilicate glass	acrylic glass	acrylic glass	acrylic glass	polycarbonate
Specification	4 shelves made of Polycarbonate (max. 26 shelves)	4 shelves made of stainless steel (max. 26 shelves)	2 shelves made of stainless steel (max. 8 shelves)	one door; 4 shelves made of stainless steel (max. 17 shelves)	two doors; 4 shelves made of stainless steel (max. 16 shelves)	2 shelves made of acrylic glass
Use	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure
Temperature resistance °C	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-35 to +70
External dimensions W x H x D mm	310 x 525 x 375	310 x 525 x 375	560 x 560 x 580	560 x 1150 x 580	560 x 1150 x 580	221 x 183 x 214
Usable interior space W x H x D mm	260 x 480 x 330	260 x 480 x 330	495 x 500 x 540	495 x 1030 x 540	495 x 500 x 540 per chamber	212 x 162 x 180
Usable volume liter, approx.	51	51	156	311	156 per chamber	6,2
Weight kg, approx.	7	15	18	30	34	0,9
Total all-over load kg, approx.	30	30	80	160	80 per chamber	3
Stand	rubber feet, stackable	rubber feet, stackable	rubber feet, stackable	casters; two of them with brakes	casters; two of them with brakes	rubber feet, stackable
Including Silicagel	yes	yes	no	no	no	yes
*Recommended price Euro	1 189,81	1 805,23	2 132,96	3 757,49	4 748,91	365,70

SICCO offers custom manufacture.

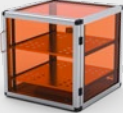
You are looking for an individual solution for your application? As a manufacturer we offer custom manufactures as per your individual needs. Just discuss your ideas with our experts – we look forward to advise and assist you from construction to production of your product exactly as per your specification.

Just give us a call: +49 (0) 93 46-92 86-0. We look forward to discuss all details and give you free, non obligation quote.



SICCO Desiccators Protect

Aluminium frame with panels made of orange acrylic glass panels for reduced light incidence, Mini-Desiccators made of polycarbonate. Including shelves made of polycarbonate / stainless steel.

Type	Star-Protect	Big-Star Protect	Maxi 1 Protect	Maxi 2 Protect	Mini Basic Protect	Mini Premium Protect
						
SICCO Cat.No.:	V 1879-07	V 1926-07	V 1927-07	V 1928-07	V 1842-06	V 1942-06
Panels	orange	orange	orange	orange	orange	orange
Specification	one door; 4 shelves (max. 26 shelves); Hygrometer; Tray for desiccant	one door; 2 shelves (max. 8 shelves); Hygrometer; Tray for desiccant	one door; 4 shelves (max. 17 shelves); Hygrometer; Tray for desiccant	two doors; 4 shelves (max. 8 shelves per chamber); Hygrometer; Tray for desiccant	one door; (max. 2 shelves)	one door; 2 shelves; Hygrometer; non-slip rubber feet
Use	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure
Temperature resistance °C	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-35 to +70	-35 to +70
External dimensions W x H x D mm	310 x 525 x 375	560 x 560 x 580	560 x 1150 x 580	560 x 1150 x 580	221 x 183 x 21	221 x 183 x 21
Usable interior space W x H x D mm	260 x 480 x 330	495 x 500 x 540	495 x 1030 x 540	495 x 500 x 540 per chamber	212 x 162 x 180	212 x 162 x 180
Usable volume liter, approx.	51	156	311	156 per chamber	6,2	6,2
Weight kg, approx.	7	18	30	34	0,9	0,9
Total all-over load kg, approx.	30	80	160	80 per chamber	3	3
Stand	rubber feet, stackable	rubber feet, stackable	casters; 2 of them with brakes	casters; 2 of them with brakes	stackable	rubber feet, stackable
Including Silicagel	yes	no	no	no	yes	yes
*Recommended price Euro	1 250,59	2 269,83	4 011,88	5 135,51	185,11	208,71

SICCO light-protected Desiccators for Gas Filling



✓ Orange panels

Reduced light incidence and transparent panels for monitoring the stored products.

✓ Black panels

Black panels prevent light incidence and protect against ultraviolet radiation. For storage of light sensitive substances and products.

✓ Different standard sizes

Adapted for the quantity and size of the stored products, these desiccators are available in different sizes and versions from stock.

SICCO Desiccators Black

Aluminium frames with panels made of black acrylic glass prevent light incidence and protection against ultraviolet radiation, Mini-Desiccators made of polycarbonate. Including shelves made of polycarbonate / stainless steel.

Type	Star-Black	Big-Star-Black	Maxi 1 Black	Maxi 2 Black	Mini-Basic-Black	Mini-Premium-Black
						
SICCO Cat.No.:	V 1891-07	V 1939-07	V 1936-07	V 1937-07	V 1840-06	V 1940-06
Panels	black	black	black	black	black	black
Specification	one door; 4 shelves (max. 26 shelves); Hygrometer; Tray for desiccant	one door; 2 shelves (max. 8 shelves); Hygrometer; Tray for desiccant	one door; 4 shelves (max. 17 shelves); Hygrometer; Tray for desiccant	two doors; 4 shelves (max. 8 shelves per chamber); Hygrometer; Tray for desiccant	one door; (max. 2 shelves)	one door; 2 shelves; Hygrometer; non-slip rubber feet
Use	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure
Temperature resistance °C	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-35 to +70	-35 to +70
External dimensions W x H x D mm	310 x 525 x 375	560 x 560 x 580	560 x 1150 x 580	560 x 1150 x 580	221 x 183 x 21	221 x 183 x 21
Usable interior space W x H x D mm	260 x 480 x 330	495 x 500 x 540	495 x 1030 x 540	495 x 500 x 540 per chamber	212 x 162 x 180	212 x 162 x 180
Usable volume liter, approx.	51	156	311	156 per chamber	6,2	6,2
Weight kg, approx.	7	18	30	34	0,9	0,9
Total all-over load kg, approx.	30	80	160	80 per chamber	3	3
Stand	rubber feet, stackable	rubber feet, stackable	casters; 2 of them with brakes	casters; 2 of them with brakes	stackable	rubber feet, stackable
Including Silicagel	yes	no	no	no	yes	yes
*Recommended price Euro	1 173,35	2 270,06	3 967,68	5 046,35	201,59	213,70

SICCO Vitrum-Desiccators

Heat-resistant Borosilicate glass

Hot samples that have been predried in an oven can be directly stored and cool down in dry and protected atmosphere in the desiccator. The borosilicate glass panels are resistant to many chemicals and solvents in laboratories.



Shelves made of stainless steel

Resistant to heat and many chemicals. Depending on the model, up to four shelves are included in the scope of delivery and can be mounted in freely choosable distances.



Aluminium frame

The Aluminium frame allows a modular set-up and thus easy adaption to customized dimensions.



Smooth-running casters

Maxi-Desiccators are delivered with four casters. It can be freely moved within the laboratory – even fully loaded.



Hygrometer

The Hygrometer is fixed at the door and does not handicap the user during loading or unloading of the desiccator



SICCO Vitrum Desiccators

Aluminium frame with panels made of heat-resistant borosilicate glass 3.3, including shelves made of stainless steel / aluminium, tray and hygrometer.

Type	Star-Black	Big-Star-Black	Maxi 1 Black	Maxi 2 Black	Mini-Basic-Black	Mini-Premium-Black
						
SICCO Cat.No.:	V 1841-07	V 1821-07	V 1844-07	V 1846-07	V 1845-07	V 1811-07
Panels	clear	clear	clear	clear	clear	clear
Specification	4 shelves made of stainless steel (max. 26 shelves)	wide format; door opens forward; 2 shelves made of Aluminium (max. 13 shelves)	2 shelves made of stainless steel (max. 17 shelves)	one door; 4 shelves made of stainless steel (max. 34 shelves)	two doors; 4 shelves made of stainless steel (max. 17 shelves per compartment)	1 shelf made of Aluminium
Use	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure	normal pressure
Temperature resistance °C	70 to +150	-70 to +150	-70 to +150	-70 to +150	-70 to +150	-70 to +120
External dimensions W x H x D mm	310 x 525 x 375	525 x 340 x 375	560 x 560 x 580	560 x 1150 x 580	560 x 1150 x 580	220 x 183 x 214
Usable interior space W x H x D mm	260 x 480 x 330	480 x 260 x 330	495 x 500 x 540	495 x 1030 x 540	495 x 500 x 540 per chamber	200 x 170 x 180
Usable volume liter, approx.	51	51	156	311	156 per chamber	6
Weight kg, approx.	14	12	22	37	42	2
Total all-over load kg, approx.	30	30	80	160	80 per chamber	3
Stand	rubber feet, stackable	rubber feet	rubber feet, stackable	casters; two of them with brakes	casters; two of them with brakes	rubber feet, stackable
Including Silicagel	yes	yes	no	no	no	yes
*Recommended price Euro	1 404,81	1 655,50	2 876,05	5 679,09	5 271,30	1 166,09

SPECIAL REQUIREMENTS? CUSTOMIZED!

No Problem: As developer and producer, we offer the possibility to produce individually according to your requirement. This is faster, simpler and often more economic than you can imagine. Just talk to our experts about your ideas – we advise you and support you already during the construction and produce suitable for the material exactly according to your specification. And this already from quantity 1.



You have a special request?
Call us on: **+49 (0) 9346-9286-0**

Or just send us a drawing (a rough sketch is sufficient) and some information to **info@sicco.de**. We will then contact you to discuss further details and establish an offer for you free of charge.

Standard Plus: Our modifications

The SICCO range already offers many options and a wide range of accessories for different applications. Moreover, we offer you to adapt our standard products according to your requirements. Sometimes it is only a small detail that has to be modified or added such as a modified door stop or additional entry ports. Your benefit is an individual

product as well as fast availability due to short-term realization of the modification. And what is your special request? We will be pleased to assist you: Just give us a call **+49 (0) 9346 9286-0** or send us your inquiry to **info@sicco.de**.

Standard

Modification



A big flap instead of the split door for the supreme chamber.



Open-minded for your plans: A closing device with gas-pressure spring instead of a traditional hinge-joint.



Open for new possibilities - for example a desiccator wall with additional ports for one pair of gloves per compartment.



Flexible: additional cable lead-ins can be placed freely, whether for further electronic devices or the insertion of probes and tubes.

SICCO **Glove Box Vitrum with Transfer Chamber**

Panels: clear	Material: borosilicate 3.3	Temperatur resistance: from -20 °C to +150 °C	Use: normal pressure	Stand: rubber feet
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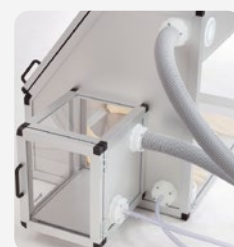
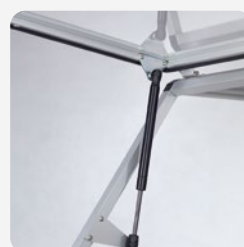
Description:

Aluminium frame with panels made of borosilicate glass, front panel with two glove ports, right side panel and bottom side base panel made of aluminium, top side of base panel made of stainless steel. Including one pair of natural rubber gloves size 9, two lead-ins for cable on the back side (upper left and upper right). Transfer chamber with two doors, external door with latch to prevent accidental opening, the tray extends into the workspace with opening of the internal door for easy removal of inserted products. Work space and transfer chamber each including two hose connectors for gas-filling and aeration and appropriate tubing (2x 5m tubing for gas-filling made of PVC and 2x 5 m aeration tubing made of PE).

Cat. No.: / *recomm. price Euro	V 1986-08 / 9 108,89
Overall dimensions* W x H x D mm	1210 x 700 x 600
Add.space requirement for coupling W x H x D mm	150
Usable interior space W x H x D mm	850 x 650 x 540
Usable volume liter	290
Weight kg, approx.	36
Maximum all-over load kg, approx.	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 connector for gas-filling mm	Ø 9
Bore diameter in panels mm	Ø 74,5
Details transfer chamber:	
Overall dimensions* W x H x D in mm	320 x 330 x 260
Usable interior space W x H x D in mm	220 x 275 x 320
Usable volume kg, approx.	24
Maximum usable height mm	275 » 1000 ml flask with thread GL 45
Maximum usable width mm	200
Maximum all-over load kg	3

Applications:

The workspace is made of materials with good chemical resistance (aluminium, stainless steel, borosilicate glass) for handling of aggressive products.



**Need replacement gloves
or gloves in other sizes?**



All information can be found in our catalog.

*Overall dimensions are indicated as follows: width including hinge, height starting from base, depth **without handle**

SICCO

Glove Boxes

Position of the glove port openings

Distance and diameter of the glove port openings are ergonomically designed. The complete workspace is accessible.



Cable lead-ins

For lead-in of cables for electrical power supply for devices (such as scales) in the glove box or insertion of measuring probes to control e. g. humidity or oxygen content.



Suitable model for all requirements

The modular aluminium frame allows simple adaptations for standard and custom manufactures. Our standard models can be newly combined on request and their dimensions adapted to your requirements.



Generous Working Scape

All SICCO Glove Boxes offer a generous working space. The glove ports give access to the all areas and thus the complete surface can be used



Transfer Chamber

Through the lateral transfer chamber, products can be easily inserted into the workspace. The transfer chamber can be flushed with gas separately. The tray extends into the workspace for easy removal of inserted products.



SICCO Glove Boxes

Aluminium frame with panels made of acrylic glass / borosilicate glass, including two cable lead-ins on the back side, front panels with two glove ports.

Type	Glove Box Trio with Transfer Chamber	Glove Box Duo 1 with Transfer Chamber	Glove Box Duo 2 with Transfer Chamber
			
SICCO Cat.No.:	V 1750-08	V 1730-08	V 1710-08
Panels	acrylic glass	acrylic glass	acrylic glass
Specification	base panel made of PE, work space and transfer chambers including two hose connectors for gas-filling each and appropriate tubing	base panel made of PE, work space and transfer chambers including two hose connectors for gas-filling each and appropriate tubing	base panel made of PE, Work space and transfer chamber including two hose connectors for gas-filling each and appropriate tubing
Use	normal pressure	normal pressure	normal pressure
Temperature resistance °C	-20 to +70	-20 to +70	-20 to +70
External dimensions W x H x D mm	1590 x 690 x 590	2345 x 690 x 590	1200 x 710 x 890
Usable interior space W x H x D mm	1240 x 650 x 550	1680 x 650 x 550	850 x 665 x 845
Usable volume liter, approx.	440	600	475
Weight kg, approx.	28	40	30
Total all-over load kg, approx.	60	80	60
Stand	rubber feet	rubber feet	rubber feet
Glove ports	Ø 190 mm / Natural rubber gloves size 9	Ø 190 mm / Natural rubber gloves size 9	Ø 190 mm / Natural rubber gloves size 9
Transfer chamber	yes	yes	yes
*Richtpreis Euro	7 264,96	8 692,98	7 940,32

SICCO INNOVATION



#1 Transfer chamber opens to front.

SICCO

A PRODUCT BRAND OF
BOHLENDER GmbH

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