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1 Preface

This operating manual must be read by operating personnel and those responsible for the device before initial use. Damage caused by failure to follow the instructions herein will not be covered by the warranty.

Users of this device are required by law to comply with the respective national accident prevention regulations. Furthermore, this operating manual shall be treated confidentially. Only authorized persons shall be allowed access to it. It shall only be entrusted to third parties on written permission from WINTERSTEIGER.

All documents are protected under copyright. Distribution, reproduction, and utilization of documents and parts thereof, as well as communication of their contents, are not permitted unless authorized expressly and in writing. Infringements are liable to prosecution and will result in damage claims.

WINTERSTEIGER shall retain all rights to exercise industrial property rights.

2 Intended use

The device must only be used to dry clothing, ski boots, boots, helmets, and gloves and the kit to be dried must only be hung on the clothes hangers/drying arms intended for this purpose.

Any use extending beyond this is deemed to be improper. The manufacturer is not liable for any damage resulting from improper use. The user takes full responsibility in such cases.

Appropriate usage also includes following the operating, maintenance and service stipulations set out by the manufacturer.

The applicable accident prevention regulations and other generally accepted safety and occupational health regulations shall also be adhered to.

Any changes to the device by the user renders manufacturer liability null and void with regards to any resulting damages.

We constantly try to improve our products and therefore reserve the right to make any changes or improvements we feel are appropriate. We are, however, not obligated to extend these changes or improvements to already delivered devices.

Reasonably foreseeable misuse:

- Use in a potentially explosive atmosphere
- Use and operation of the device without having read and understood the operating manual.
- Use of the product outside the specified limits (see technical data).

Original operating manual

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3 About this document

This operating manual forms part of the device and helps users to familiarize themselves with the device and to work with it.

Damage caused by failure to follow the instructions herein will not be covered by the warranty. Users of this device are required by law to comply with the respective national accident prevention regulations.

The cleaning and maintenance section contains tips on how to keep the device fully operational for many years.

The operating manual also points out (potential) dangers.

All images, dimensions, and weight information in the operating manual are non-binding.

3.1 Explanation of the symbols used in the manual



DANGER indicates a hazard with a high degree of risk, which, if not prevented, will cause death or serious injury.



WARNING indicates a hazard with a medium degree of risk, which, if not prevented, could cause death or serious injury.



CAUTION describes a hazard with a low degree of risk, which, if not prevented, could result in a slight or moderate injury.



This symbol indicates special information on practical work or a general recommendation.



Device damage! This symbol indicates possible damage to / destruction of the product, the process and/or its surrounding area.

3.2 Statutory warranty and liability

Safe and fault-free operation of the device can only be ensured with Original WINTERSTEIGER spare parts and consumables recommended by WINTERSTEIGER.

Non-WINTERSTEIGER material is used at the owner's risk and is the responsibility of the operator. WINTERSTEIGER does not provide any warranty or guarantee and does not accept liability for damage or defects arising from the use of non-Wintersteiger material!

Furthermore, warranty claims are excluded if the parts affected by the defect or that caused the defect have been improperly modified, replaced, or repaired by the customer or a third party.

4 General data

- Operate the device as described in the operating manual.
- Never remove safety equipment or warnings.
- Never modify the device without the manufacturer's written approval.
- Extremely low or high temperatures can result in malfunctions or damage.
- The device must not be put into operation if any parts of it are faulty and safety cannot be guaranteed.
- Make sure that the device is not operated if exposed to strong magnetic fields, electrical currents, radiation, or strong vibrations.
- If the supply lines are damaged or the device is malfunctioning, it must be shut down immediately, even if it has been operated in accordance with the operating manual.
- Repair work must only be carried out by specialists authorized by the manufacturer.
- The local works regulations relating to occupational safety and country-specific standards and directives relating to occupational safety must be rigorously followed.
- Modifications to the device are not permitted and would immediately render the guarantee and warranty void.
- Only operate the device within the specified ambient temperature and humidity range (see [chapt. Technical data, page 68](#)).

4.1 Safety information

4.1.1 Safety basics

This device is constructed using the best possible technology according to accepted safety regulations. However, dangers can arise for the user or third parties as well as damage to the device and other objects if:

- the device is used by untrained or unauthorized personnel
- the device is used for inappropriate purposes
- the device is not properly maintained or repaired

4.1.2 General safety instructions

- The device must not come into contact with water or excessive moisture during operation or storage.
- Do not carry out any work on the device if your concentration is impaired or if you are under the influence of drugs, alcohol, or medicines.

4.1.3 Safety instructions for transportation

- Follow the pictograms on the packaging.
- Always ensure that the device is protected against vibration and impacts during transport.
- Report any transit damage and/or missing parts to the supplier without delay.

4.1.4 Safety instructions for the operating company

- In addition to the accident prevention and occupational protection regulations applicable in the country of use and operating location, please also be aware of the applicable professional rules for safety and technically appropriate operation.
- The operating company/user may not make any alterations, additions, or modifications to the device that could affect safety without the consent of WINTERSTEIGER.
- Only use trained or authorized personnel. The persons responsible for operating, setting up, maintaining, and servicing the machine shall be clearly specified.

4.1.5 Safety instructions for operating personnel

- Any applicable accident prevention specifications and other generally accepted safety and medical regulations are to be obeyed.
- The device may only be used if it is in a flawless technical condition and only according to the intended use under consideration of safety aspects, potential dangers, and the operating manual. Faults that may affect safety must be immediately repaired!
- Follow the activation and deactivation processes as well as the emergency stop procedure in accordance with the operating manual for all work related to operating, refitting, and setting the device and its safety equipment.
- Observe the mandatory safety measures during inspection, maintenance, and repair of the device.

4.1.6 Operating safety

- The device may only be put into operation if it is fully assembled and ready for operation.
- Check the device daily for visible, external damage and defects. The device must not be put into operation on any account if it exhibits signs of damage!
- Observe switch on/off procedures and control displays as detailed in the operating manual.

4.1.7 Safety instructions for maintenance, servicing, and troubleshooting

- Please adhere to the mandatory periods or periods listed in the operating instructions for recurring tests/inspections.
- Only qualified personnel may carry out repairs on the device.
- The device may only be opened if it has been disconnected from the power supply.
- We recommend that you regularly check the electrical equipment of the machine or device.
- Ensure safe and environmentally sound disposal of operating and auxiliary materials as well as spare parts.

4.1.8 Safety when working with electricity

- Work on the electrical equipment of the device may only be performed by qualified electricians, in line with electro-technology rules. Only qualified electricians are permitted access to the device's electrical systems and may perform work on them.
- Only original fuses with the prescribed amperage may be used. Never repair or short out faulty fuses. Only replace fuses with fuses of the same type.
- Country-specific laws and standards in respect to the supply voltage and fuses must be complied with.

4.2 Warnings

Check regularly that the adhesive warning labels are still attached to the device and are legible. If any adhesive warning labels are missing or illegible, replace them immediately.



Attention! Hot surface!



Caution! Electrical voltage!



The operating manual and the safety information must be read and observed before commissioning the device.

4.3 Device information

4.3.1 Type plate

The dryer's type plate is affixed to the top of the device in the factory.

5 Preparing the device for operation

5.1 Transport

Transport the unit only in its original packaging, keeping it in the position specified on the packaging. The dryer is packed as a ready-to-operate unit and supplied on a pallet.

Before accepting delivery of the drying system check that it is complete. The individual items are specified on the delivery note.

Check the device for transport damage when accepting the delivery. If damage has occurred during transport, observe the following points:

- Take a photo of the damaged parts
- Document the damage and make a complaint to the transport company immediately
- Inform your retailer or the manufacturer WINTERSTEIGER right away.

5.2 Storage

- Devices and components must not be stored outdoors.
- Store the device in its original packaging inside a building only, at a temperature of 5 °C to +30 °C and a maximum relative humidity of 60 %.

NOTE

To avoid damage, never place any other packages or items on top of the packaged unit.

5.3 Site selection

- For optimum performance, the temperature should be between 15 – 25 °C (see Technical data section). At lower temperatures, the drying process will take longer.
- The installation site must be sufficiently level to ensure that the device stands firmly in a 100 % vertical position and is firmly anchored to the floor / wall depending on the design.
- Select a well-ventilated room that is as dry as possible to serve as the installation site.
- Observe the dimensions for the minimum room height and distances to walls and ceilings.

INFO

Ensure there is a power outlet in the immediate vicinity.
Place the device in an area where maintenance work can be performed.

NOTE

When choosing a site, pay special attention to best practices and legal requirements for health and safety at work.

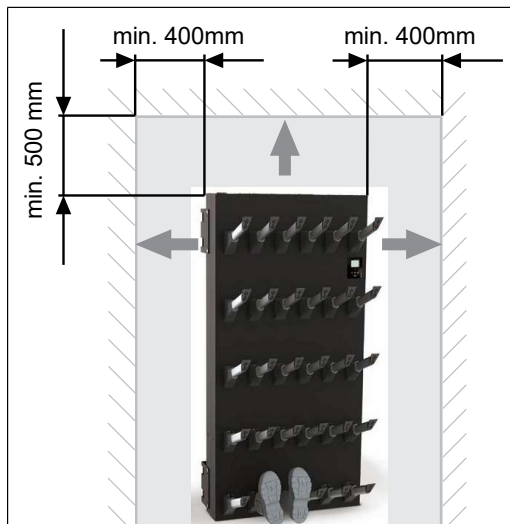
5.3.1 Tantum installation

CAUTION

The walls and ceiling must NOT be made of easily flammable materials. In the event of a fault, the intake grille on the rear of the device may emit hot air at a temperature of approx. 80-90 °C for a few minutes.

For the version with 2 feet (option), ensure both feet are suitably secured to the floor.

When mounting the device on the wall, ensure the wall has suitable load-bearing capacity and a suitable fastening anchor is selected. The weight of the device itself and the relevant load from the equipment to be dried must be taken into account here.



Observe the following minimum distances to the walls and ceiling.

Space requirement/minimum distance		
Ceiling/above	Left	Right
500 mm	400 mm	400 mm
> 500 mm	200 mm	200 mm

If the distance to the ceiling is greater than 500 mm, the distances to the walls on the left and right can be reduced to 200 mm.

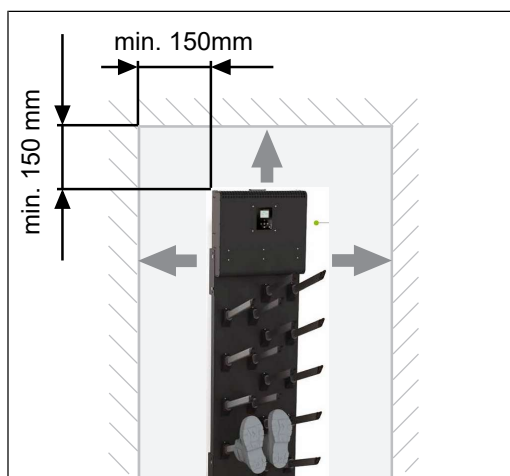
Installation of several dryers:



If several dryers are placed next to each other, it is not necessary to observe any distances between dryers.

The minimum distance of 300 mm to the wall on the left and right and of 500 mm to the ceiling must be observed.

5.3.2 Tantum Variable installation



CAUTION

Risk of injury!

The Tantum Variable must only be operated when it is attached to the wall with suitable fixings.

Observe the following minimum distances to the walls and ceiling.

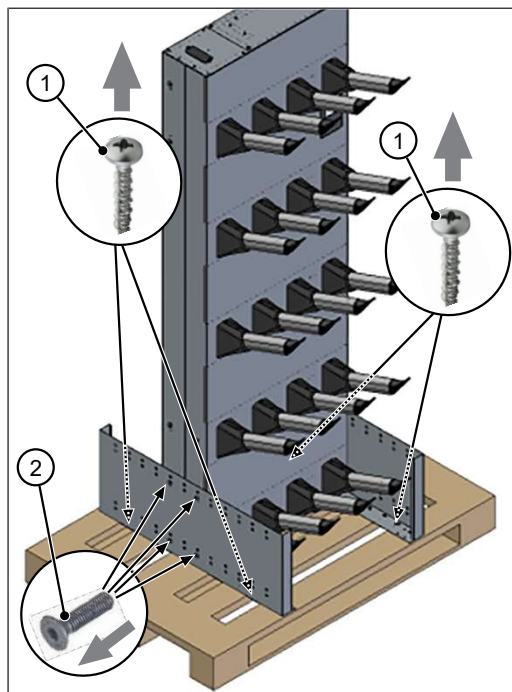
Space requirement/minimum distance		
Ceiling/above	Left	Right
150 mm	150 mm	150 mm

5.4 Assembly



We recommend that the dryer is installed by a qualified technician.

5.4.1 Remove the transport retainers



The dryer must be secured to the wooden pallet with a transport securing device to protect it during transport.

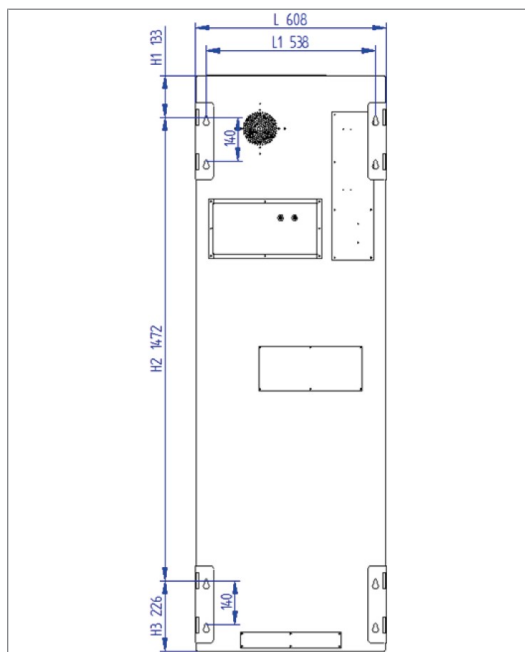
INFO

Remove the device with the aid of a second person. The dryer must be stabilized at all times.

Observe the following steps during removal.

1. First, remove the screws [1] between the transport securing device and the pallet.
 - Depending on the size and weight of the dryer, between 4 and 8 screws will need to be removed.
2. Remove the countersunk screws [2] between the transport securing device and the dryer (4 on each side).

5.4.2 Fixing points



Wall mounting fixing points.

- Make holes [1] for mounting as per the table.

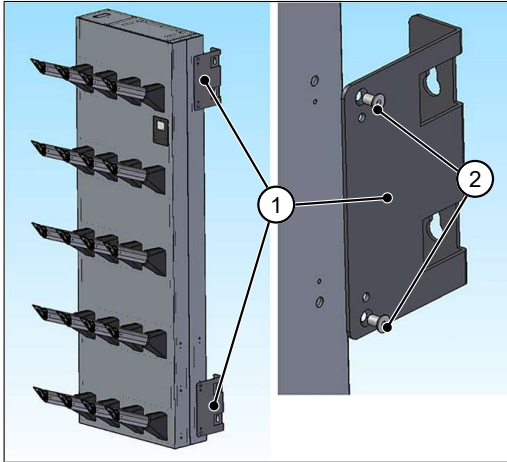
! NOTE

Select a fixing material suitable for the wall structure.

Table of dimensions for Tantum wall mounting [mm]

Type	L	L1	H1	H2	H3
Tantum Boot 5	408	338	133	1472	226
Tantum Boot 10	608	538	133	1472	226
Tantum Boot 15	908	838	133	1472	226
Tantum Boot 20	1208	1138	133	1472	226
Tantum Set2-Premium	500	463	133	1472	226
Tantum Set4-Premium	608	538	133	1472	226
Tantum Set8-Premium	1208	1138	133	1472	226

5.4.3 Tantum wall mounting



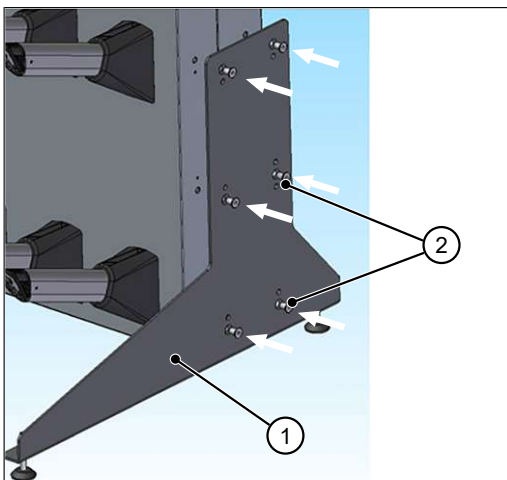
Secure the device to a wall capable of bearing its weight using suitable mounting material (dowels + screws) as follows.

1. Measure and mark 4 fixing points (if possible with the upper keyhole openings of the 4 wall holder brackets [1], alternatively with one or more lower keyhole openings).
2. Screw in suitable screws (M10) until the wall holder brackets can be easily mounted.
3. Secure the 4 wall holder brackets to the device with the enclosed M8x16 countersunk screws (DIN 7991) [2].
4. Hang the device from the 4 points and tighten the screws accordingly, to do so use the rectangular openings on the side of the wall holder brackets to insert the tool (e.g. hexagon wrench) appropriately.



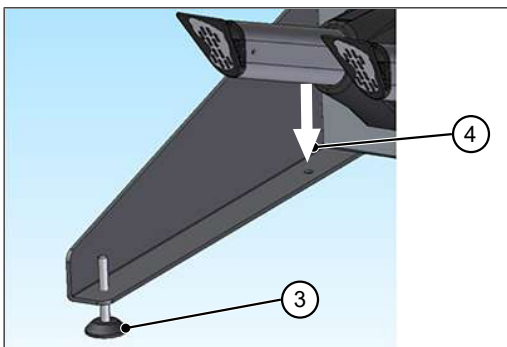
If the wall is uneven, use appropriate shims.

5.4.4 Free-standing floor mounting



Place the device on a floor capable of bearing its weight and secure it to the floor using suitable mounting material (dowels + screws).

1. Secure the 2 feet [1] to the device with the enclosed M8x16 countersunk screws (DIN 7991) [2].



2. Level the device horizontally with the adjustable bases [3] and vertically by using a water level.
3. Also secure the device to the floor with suitable fixing material (drop-in anchor, etc.) on each side (feet) [4].



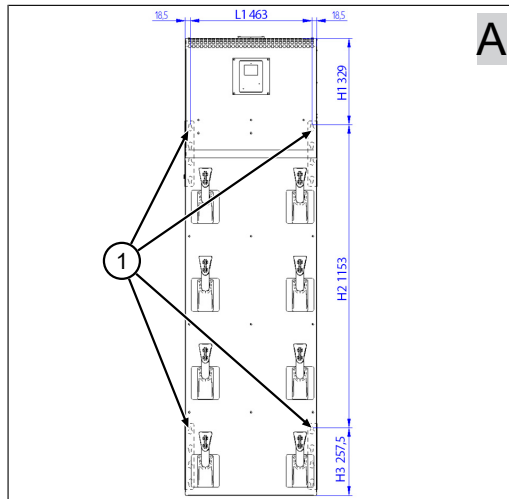
Ideally, also secure the device to the wall with the two upper wall mounting straps.

5.5 Mounting the Tantum Variable



The Tantum Variable can be mounted horizontally or vertically to suit the available space.

5.5.1 Tantum Variable fixing points



Fixing points [1] for vertical mounting.

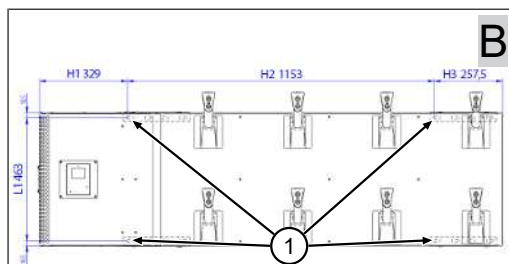
- Make holes [1] for vertical mounting as shown on the figure.

! NOTE

Use the correct fixing material (four Ø8 mm screws) for the wall construction (minimum loading capacity: 100 kg).

Table of dimensions for Tantum Variable wall mounting [mm]

Type	L	L1	H1	H2	H3
Tantum Var 4 Boot	500	463	329	1153	257.5
Tantum Var 10 Boot/Glove	500	463	329	1153	257.5
Tantum Var 12	500	463	329	919	257.5
Tantum Var Glove12 compact	220	198	520	1265	15

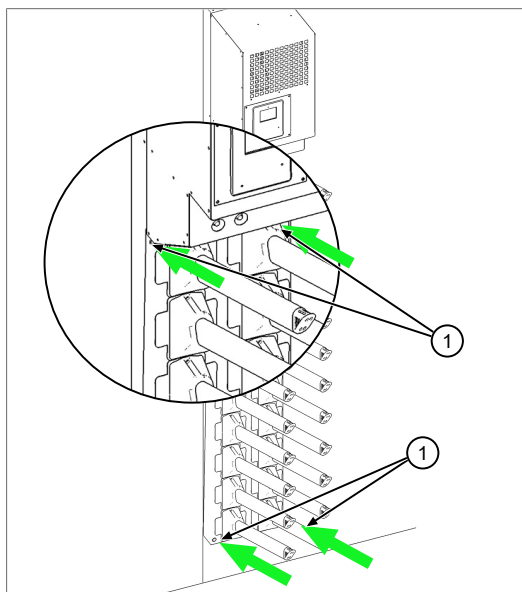


Fixing points [1] for horizontal mounting.

- Make holes [1] for horizontal mounting as shown on the figure.

! NOTE

Select a fixing material according to the wall structure (minimum load: 100 kg).



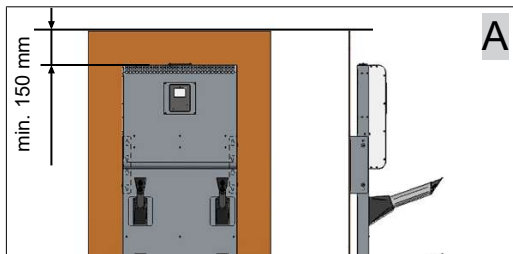
Fixing the Tantum Variable Glove12 to a wall

- Make holes [1] for vertical mounting as shown in the table of dimensions.
- Attach the Tantum Glove12 to the wall from the front using four Ø8 mm screws.

! NOTE

Use the correct fixing material (four Ø8 mm screws) for the wall construction (minimum loading capacity: 100 kg).

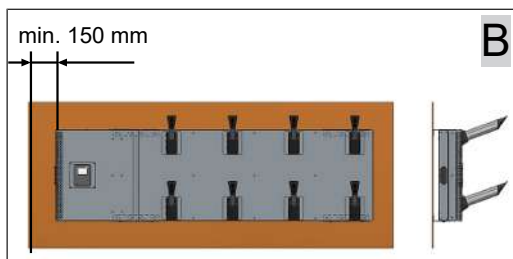
5.5.2 Minimum distance to wall and ceiling



! NOTE

Maintain the necessary minimum distance between the dryer and the wall and ceiling during mounting.

- Minimum distance between dryer and ceiling for vertical mounting: 150 mm.

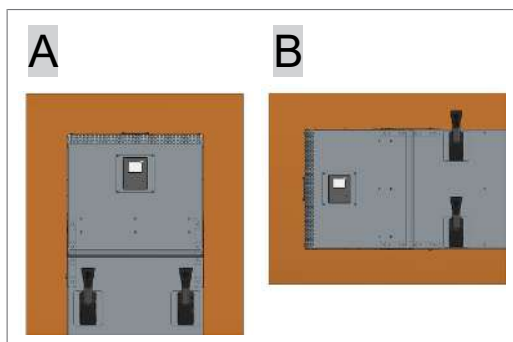


! NOTE

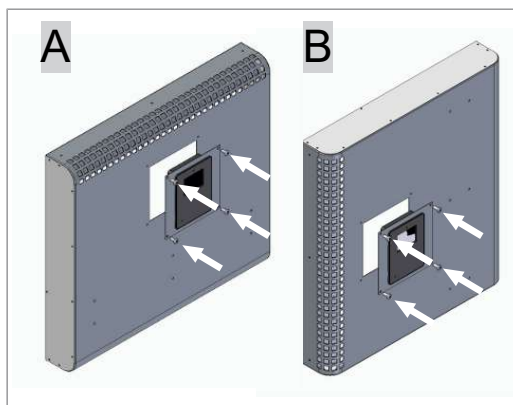
Maintain the necessary minimum distance between the dryer and the wall and ceiling during mounting.

- Minimum distance between dryer and wall for horizontal mounting: 150 mm.

5.5.3 Mounting the operating panel



Secure the xControl control unit in a vertical or horizontal position with four screws.



A: Vertical wall mounting

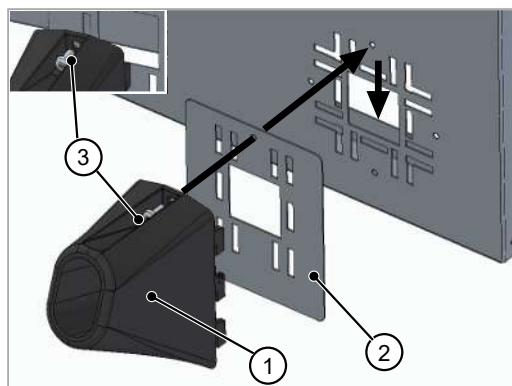
B: Horizontal wall mounting

! NOTE

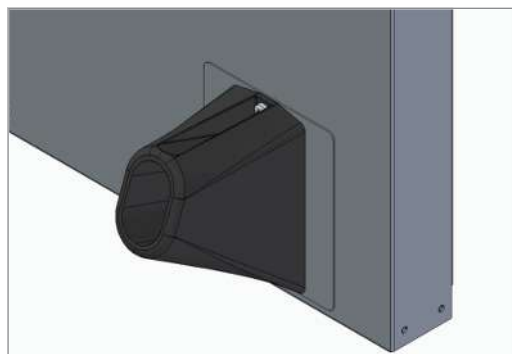
When mounting the control unit, ensure that the network cable is not bent or trapped.

5.6 Mounting the equipment

5.6.1 Mounting the blow-off nozzle holder



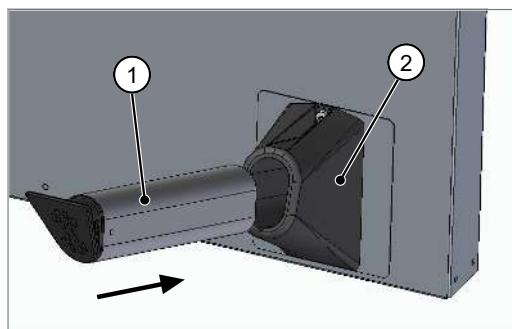
1. Insert the nozzle holder [1] with intermediate plate [2] into the housing.
2. Press the nozzle holder with intermediate plate downwards and click it into place.
3. Screw in the M5x12 DIN 7500C screw [3] with Torx TX25 bit (longer special bit in accessories).



! NOTE

During mounting, ensure that the nozzle holder is fully engaged in the housing.

5.6.2 Mounting the blow-off nozzle

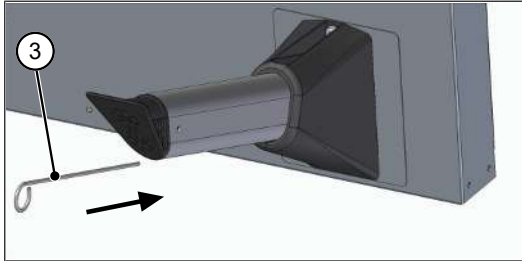


- Push the blow-off nozzle [1] into the holder [2] until it clicks into place.

W INFO

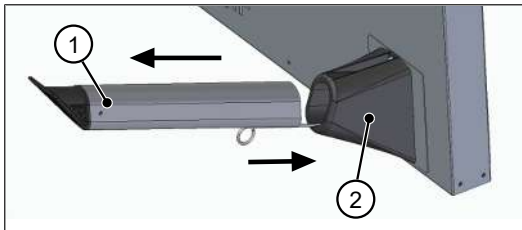
Only operate the device with fully fitted nozzles.

5.6.3 Removing the blow-off nozzle



An unlocking tool [3] is needed to change the blow-off nozzle.

1. Insert the unlocking tool [3] into the underside of the blow-off nozzle on the holder.



2. Keep the unlocking tool inserted to remove the blow-off nozzle [2].
3. Remove the blow-off nozzle from the holder.

5.7 Commissioning

! NOTE

Device damage!

Before commissioning, remove all packaging and all transport securing devices. There must not be any items on or in the device that are not part of the drying system. Make sure that the dryer's intake grille is clear, clean, and not contaminated.

⚠ DANGER

It is absolutely essential that the connecting cable is fully inserted into a suitable socket. The connections could burn if proper contact is not made.

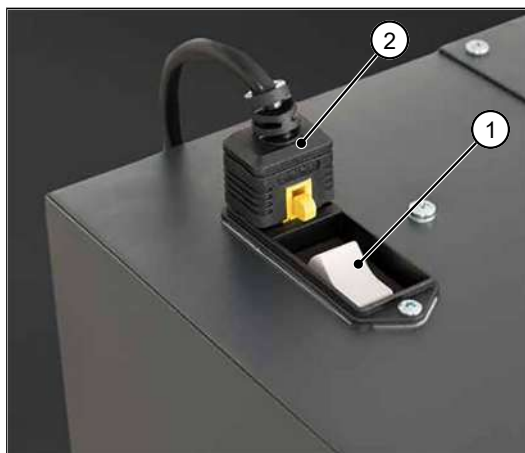
- Ensure that the dryer's main switch, which is located to the rear left on the top of the device, is switched off.
- Connect the IEC19-plug from the supplied removable cable set for the mains connection to the device connection to the rear left on the top and ensure that the plug is fully inserted and engaged.

6 Operation

The xControl control unit with color display offers users an easy, intuitive user interface for managing the timing and energy of the dryer.

The timers can be freely adjusted and a countdown timer can also be activated.

6.1 Main switch



The main switch [1] is located next to the device connection plug [2] and is also the device circuit breaker.

- Switch on the device using the main switch.

6.2 Selecting a drying time

The appropriate drying time for your equipment depends on various factors:

- What kind of material do you want to dry?
- How wet is it?
- How well ventilated is the room?
- How warm is it in the room?
- How high is the humidity?
- We recommend adjusting the dryer operating times in line with your requirements.



For optimum drying, position ski boots with the toe-cap pointing upward. Make sure there is even air circulation in the dryer.

6.3 xControl programming



The following start-up screen appears once the device has been switched on.

After a few seconds, this switches to the main screen and you can make your custom settings on the device.

1. Display
2. Control panel

The control panel is used to navigate the dryer's menu:



Navigates up.



Navigates down.



Navigates left.

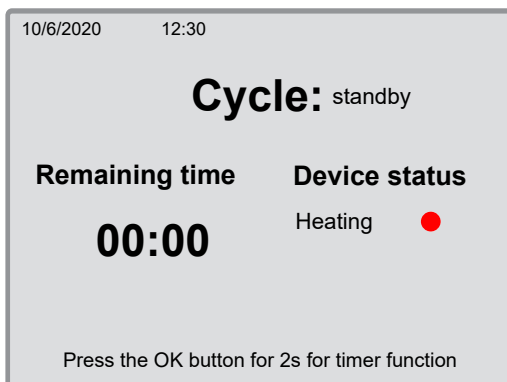


Navigates right.



Opens a submenu.
Confirms an entry.
Starts the drying cycle (timer function)

6.3.1 Main screen



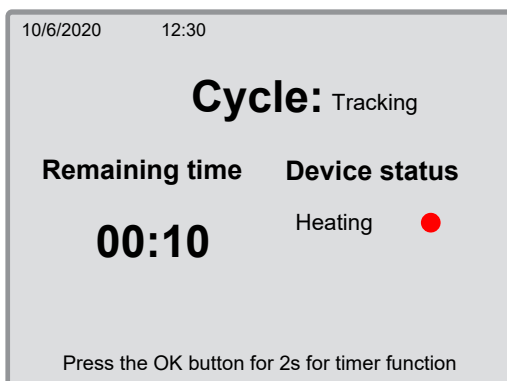
The current device status and the time is displayed on the main screen.

1. Drying cycle
 - Press and hold the "OK" button
2. Cycle start time



The device is supplied with two factory-set cycles.

- Cycle 1 -> 180 min with heating throughout the entire cycle.
- Cycle 2 -> 60 min with heating throughout the entire cycle.

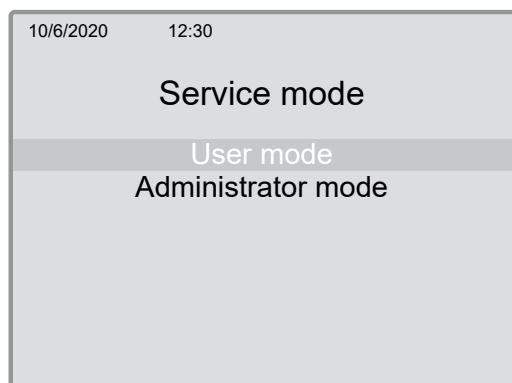


After each cycle, the drying locker's air circulation fan runs for 10 minutes (standard setting) to cool the device down.



If there is no active drying cycle, the display switches off after approximately 3 minutes and can be reactivated by pressing the "OK" button once.

6.3.2 User mode

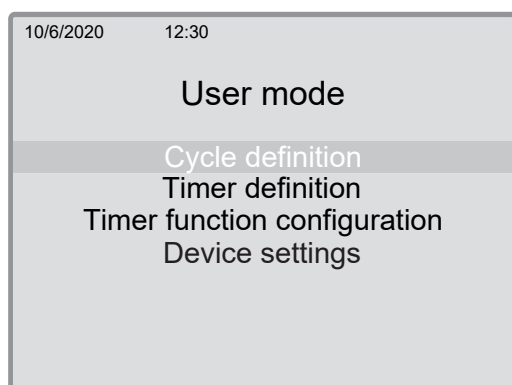


- Select User mode and enter the password.



- Enter the password for user mode with the "⬆", "⬇" selection buttons and press "OK".
 - Password for "User mode": 3 4 7 8
 - Password for "Admin mode": only for the manufacturer

6.3.3 Cycle selection



- Select the "Cycle definition" menu and press "OK".

10/6/2020 12:30

Cycle definition

Cycle	Duration	Heating	S/E
Z1	180 min	100%	S
Z2	60 min	100%	S
Z3	0 min	0%	-
Z4	0 min	0%	-
Z5	0 min	0%	-
Z6	0 min	0%	-
Z7	0 min	0%	-
Z8	0 min	0%	-
Z9	0 min	0%	-
Z10	0 min	0%	-
ZEx	0 min	0%	-

- To define a cycle, select a pre-defined cycle and press "OK".

- **Cycle:** Programm selection

- **Duration:** Total run time for a cycle in minutes.

- **Heater:** The value indicates the % of the cycle duration that the heater/Sterex unit is to run for (with 'from start' or 'to end' option).

- **S/E:** Heater/Sterex selection, from start (S) or to the end (E) of a cycle.



If the value on the heating is set to more than 0%, the green indicator for the heater device status appears on the main screen.

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Cycle 1

Cycle duration (min) 180

Heating 100% from start

- Enter the cycle duration in minutes and select how long the heater should be activated as a %.
- If less than 100% is selected, enter whether the heating duration should be from the start or to the end of the cycle.
- To return to User mode, press and hold the "⏪" button for two seconds.

6.3.4 Timer selection

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User mode

Cycle definition

Timer definition

Timer function configuration

Device settings

- Select "Timer definition" and press "OK".

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Timer

Cycle	Start time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Z1	08:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Check the check box for the previously defined drying cycle "Z1" in the Cycle column by pressing the "OK" button and selecting "Z1" and press "OK" again.

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Start time

Hours Minutes

10 : 00

- Select the previously defined drying cycle "Z1" in the Cycle column by pressing the "OK" button and selecting "Z1" and press "OK" again.

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Timer

Cycle	Start time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Z1	10:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Then select the day on which the defined drying cycle should begin by pressing the selection buttons and "OK" to check or uncheck the checkbox.
- To exit this screen, switch to the Cycle column and press and hold "OK" for 2 seconds.

6.3.5 Countdown timer

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User mode

Cycle definition
Timer definition
Timer function configuration
Device settings

- Select "Timer function configuration" and press "OK".

10/6/2020 12:30

Timer function

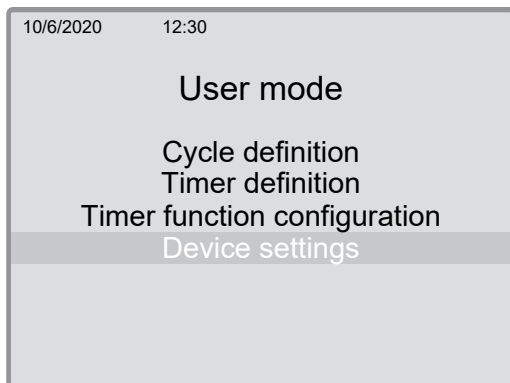
Cycle

Z2

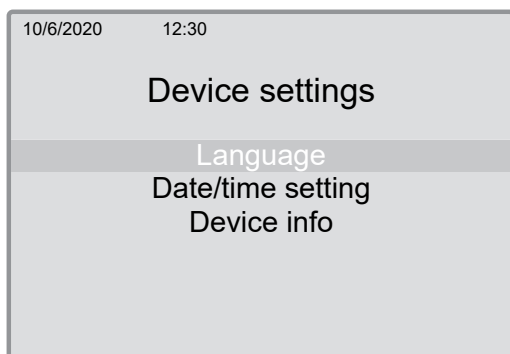
Activate timer function ☒

- In this menu you can activate whether users have the option to start a countdown timer or not on the main screen.
- To make a selection, press and hold the "OK" button for 2 seconds.
- Furthermore, you can assign a pre-defined cycle (for example Z2) to the countdown timer.

6.3.6 Device settings



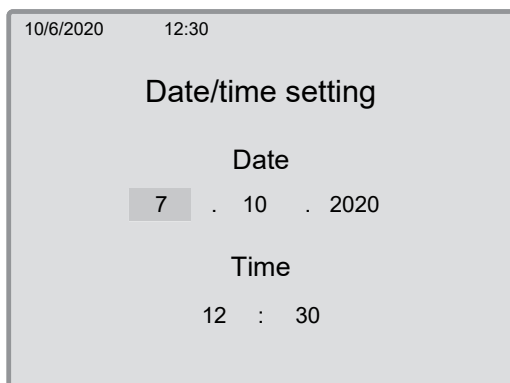
- Select "Device settings" for date and language settings and press "OK".



- In the device settings menu, select the required language and press "OK" to confirm.



Selecting the relevant language changes all the menu information to the language selected.



Setting the date and time

- Use the selection buttons to set the required value.
- Press the "OK" button to confirm the change.

6.4 External interface EIB/home automation (option)

The xControl control unit offers the option of activating a definable drying cycle via an external input (EIB/home automation).

The connection socket for the external input is located on the top of the drying locker.

6.4.1 Installation



- Connect the plug to the EIB/home automation.

Pin configuration:

- Phase (1)
- Neutral conductor (2)
- For this purpose, connect the plug to the designated socket.

! NOTE

The external signal must not be continuously present on the interface.

6.4.2 Operation






10/6/2020 12:30		Cycle definition	
Cycle	Duration	Heating	S/E
Z1	180 min	100%	S
Z2	60 min	100%	S
Z3	0 min	0%	-
Z4	0 min	0%	-
Z5	0 min	0%	-
Z6	0 min	0%	-
Z7	0 min	0%	-
Z8	0 min	0%	-
Z9	0 min	0%	-
Z10	0 min	0%	-
ZEx	0 min	0%	-









- Set the desired duration of the drying cycle in the ZEx line in the Cycle definition menu.

W INFO

The set cycle is started as soon as a signal of 24 V is present on xControl.

7 Technical data

Type	Tantum SpeedDry Boot				
Type designation	Tantum Boot 5	Tantum Boot 10	Tantum Boot 15	Tantum Boot 20	Tantum Boot 2x20
					
Dimensions (WxHxD) [mm]	400 x 1830 x 620	600 x 1830 x 620	900 x 1830 x 620	1200 x 1830 x 620	1200 x 1830 x 620
Capacity [persons]	5 pairs	10 pairs	15 pairs	20 pairs	40 pairs
Weight [kg]	65	76	93	101	142
Minimum distance to the ceiling	500 mm				
Minimum distance to the wall [left/right]	400 mm / 400 mm				
Ambient temperature	15 - 25 °C				
Humidity	0 - 60 % REL				
Operating limit	10°C - 35°C				
Operating voltage	230 V AC 50 HZ				
Connected load	1100 W	2150 W	2150 W	2150 W	3150 W
Connected load with Sterex option	1110 W	2160 W	2160 W	2160 W	3160 W
Socket	TYPE F (CEE 7/4)				
Noise level	< 70 dBA				
The correct supply voltage is displayed on the type label!					

Type	Tantum SpeedDry Set/Variable							
Type designation	Tantum Set2 Premium	Tantum Set4 Premium	Tantum Set8 Premium	Tantum Variable 4 Boot	Tantum Variable 4+4 Boot & Glove	Tantum Variable 10 Boot/Glove	Tantum Variable 12	Tantum speedDry Var Glove12 compact
								
Dimensions (WxHxD) [mm]	400 x 1830 x 740	600 x 1830 x 740	1200 x 1830 x 740	500 x 1740 x 410	500 x 1740 x 410	500 x 1740 x 410	500 x 1504 x 410	220 x 180 x 460
Capacity [persons]	2 sets	4 sets	8 sets	4 pairs	4 pairs	10 pairs	12 pairs	12 pairs
Weight [kg]	66	78	114	32	32	32	32	23
Minimum distance to the ceiling	150 mm							

Type	Tantum SpeedDry Set/Variable							
Minimum distance to the wall [left/right]	150 mm / 150 mm							
Ambient temperature	15 - 25 °C							
Humidity	0 - 60 % REL							
Operating limit	10°C - 35°C							
Operating voltage	230 V AC 50 HZ							
Connected load	1100 W	2150 W	2150 W	900 W	900 W	900 W	780 W	900 W
Connected load with Sterex option	1110 W	2160 W	2160 W	910 W	910 W	910 W	790 W	910 W
Socket	TYPE F (CEE 7/4)							
Noise level	< 70 dBA							
The correct supply voltage is displayed on the type label!								

8 Maintenance and repairs



WARNING

Risk of injury!

Servicing and maintenance work may only be carried out by people who have received proper training and instructions. It is absolutely essential that you pay attention to the safety information in the General Data section.

Before carrying out maintenance, setting, repair, or cleaning work, ensure that the device is switched off and disconnected from the power supply.

- Allow the device to cool for at least 15 minutes.
- Do not climb on the device; there is a risk of falls and crushing.
- Make sure that the blow-off end caps are on the drying arms, check they are working correctly, and inspect them for damage.

8.1 Regular inspection

This is the only way to respond to defects and swiftly implement measures.

Maintenance work	Note
Regularly	
Clean the entire exterior of device and, in particular, the interior.	With a slightly damp (not wet) cloth
Check all the dryer functions regularly.	
Check the dryer's power cable regularly.	
Regularly check that the power cable is firmly secured in and on the dryer side as well as on the power outlet side.	Important! Risk of fire on the plug-in connectors for the power supply.
Check the end caps on the blow-off nozzles are working correctly and for any damage.	In the event of damage, immediately shut down the device and replace faulty or missing protective caps.
Monthly	
Clean the intake grille at the rear.	Or more often depending on the degree of contamination.
annually	
Clean the pressure chamber	The cleaning interval depends on the operating time per day and the air quality.

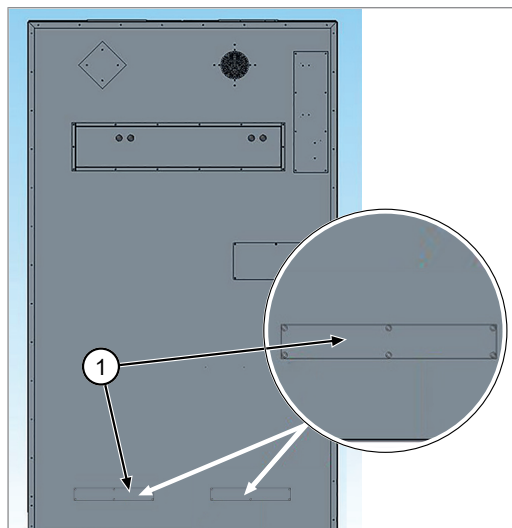
8.2 Cleaning

! NOTE

**Coarse sponges or cloths and aggressive cleaning agents will damage the surface of the dryer. These can also remove safety labels.
Never use cellulose thinner or solvents to clean the surface.**

- Clean the dryer with a slightly damp (NOT wet) cloth and a mild household cleaner and wipe dry. Non-abrasive microfiber cloths are also suitable.

8.2.1 Cleaning the pressure chamber



Depending on the air quality, dust can accumulate inside the base of the pressure chamber over time.

So that this dust can be removed with a vacuum cleaner, 1 or 2 service openings (depending on device type) have been provided, which are each closed by a cover [1] at the bottom of the drying locker's rear wall.



Risk of injury! Before carrying out cleaning or maintenance work on the device, switch it off at the main switch and always disconnect the power plug to avoid injuries and/or damage.

- Disconnect the power plug!
- Allow the dryer to cool down for at least 15 minutes.
- Carefully remove one/both covers [1] with a suitable Phillips screwdriver.
- Remove any dust in the inside at the bottom on the base of the device using a commercially available vacuum cleaner.
- Attach one/both covers [1] again and ensure that all the screws removed previously are also re-fitted (screw on with care!).
- Ensure the cover fits tightly/cleanly on the body.
- Re-start the device observing all safety information and instructions – see "Commissioning".

8.2.2 Cleaning the suction filter



Maintenance message: "Clean the suction filter"

This warning also appears automatically and repeatedly on the display.

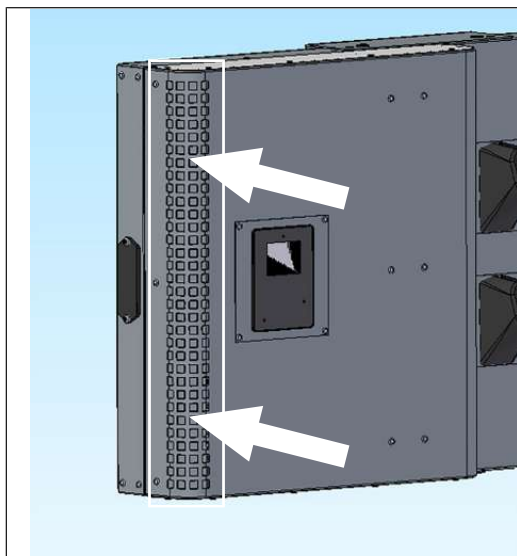


Never use damp items to clean in the area of electrical systems or system parts (plug, switching elements, etc.).

If the intake grille is NOT cleaned, it will result in damage to the drying system!



- Depending on the ambient conditions, in particular the air quality, the intake grille on the rear of the device must be cleaned at least once a month.

**Tantum Variable – cleaning the suction filter**

- Depending on the ambient conditions, in particular the air quality, the intake grille on the front of the device must be cleaned at least once a month.

9 Clearing faults

9.1 Faults on xControl

The xControl control unit monitors and regulates the dryer. If a fault message arises, it will be shown on the display.

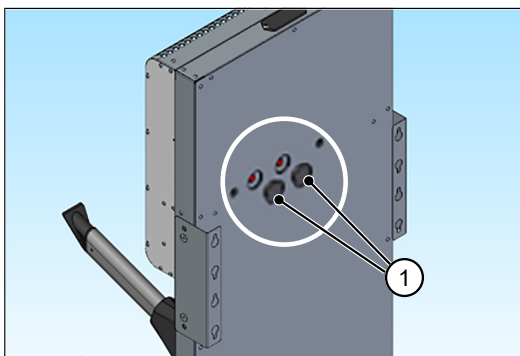
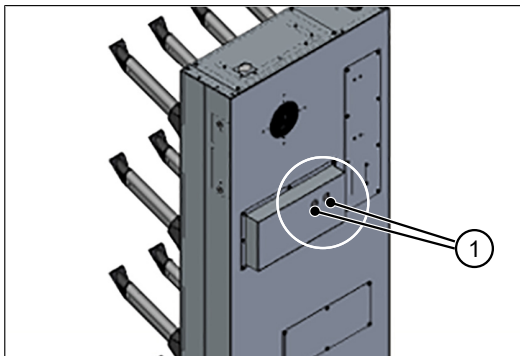
! NOTE

Before carrying out cleaning or maintenance work on the device, switch it off at the main switch and always disconnect the power plug to avoid injuries and/or damage. Allow the dryer to cool down for at least 15 minutes.

No.	Fault	Cause	Elimination
xControl control unit			
1	Overcurrent heater 1	Emergency shutdown → possible faults: Short circuit/heater/controller faulty	Please contact your retailer or customer service.
2	Overcurrent heater 2	Emergency shutdown → possible faults: Short circuit/heater/controller faulty	Please contact your retailer or customer service.
3	Overcurrent air circulation fan 1	Emergency shutdown → possible faults: Short circuit/air circulation fan/control unit faulty	Please contact your retailer or customer service.
4	Overcurrent air circulation fan 2	Emergency shutdown → possible faults: Short circuit/air circulation fan/control unit faulty	Please contact your retailer or customer service.
5	Overcurrent Sterex	Emergency shutdown → possible faults: Short circuit	Please contact your retailer or customer service.
6	Too little current at heater 1	Heater shutdown → possible faults: Heater 1 not active/faulty	Check the connections to the heater/Klixon, see "Resetting the excess temperature thermostats" Clean the intake grille
7	Too little current at heater 2	Heater shutdown → possible faults: Heater 2 not active/faulty	Check the connections to the heater/Klixon, see "Resetting the excess temperature thermostats"
8	Too little current at air circulation fan 1	Emergency shutdown → possible faults: Air circulation fan 1 not active/faulty	Check the connections to the air circulation fan, check fan for true running
9	Too little current at air circulation fan 2	Emergency shutdown → possible faults: Air circulation fan 2 not active/faulty	Check the connections to the air circulation fan, check fan for true running
10	Too little current on Sterex module	Ionization shutdown → possible faults:	Check the connections on the Sterex module; please contact your retailer or customer service.
11	Too little current at heater 1	Heater shutdown → possible faults: Heater 1 not active/faulty	Check the connections to the heater/Klixon, see "Resetting the excess temperature thermostats"
12	Excess current at heater 1	Emergency shutdown → possible faults: Current consumption at heater 1 too high	Please contact your retailer or customer service.
13	Excess current at heater 2	Emergency shutdown → possible faults: Current consumption at heater 2 too high	Please contact your retailer or customer service.
14	Excess current at air circulation fan 1	Emergency shutdown → possible faults: Short circuit/air circulation fan/control unit faulty	Check the connections to the air circulation fan, check fan for true running

No.	Fault	Cause	Elimination
15	Excess current at air circulation fan 2	Emergency shutdown -> possible faults: Short circuit/air circulation fan/control unit faulty	Check the connections to the air circulation fan, check fan for true running
16	Excess current on Sterex module	Emergency shutdown -> possible faults: Short circuit/Sterex module/control unit faulty	Please contact your retailer or customer service.
17	Overtemperature	Emergency shutdown -> possible faults: Device temperature too high	Check entire device (clean intake grille, check air circulation fan, check heater), possibly increase the after-running time
18	Power unit failed	Emergency shutdown (watchdog) -> possible faults: Faulty control unit	Check LAN connection, check the control unit is working, restart the device
19	Temperature sensor failed	Emergency shutdown -> possible faults: Temperature sensor faulty/not connected	Please contact your retailer or customer service.

9.2 Resetting the excess temperature switch

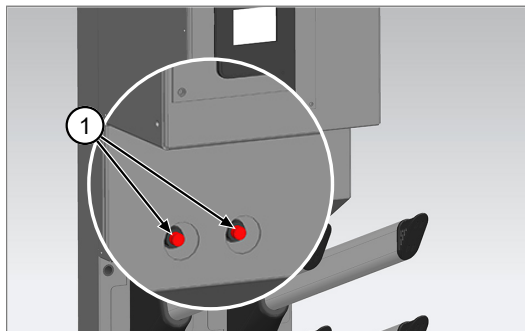


There are 2 excess temperature thermostats (Klixons) on the rear of the device. These are to protect the device and environment and may trip in certain circumstances.

If one of the faults with number 6, 7, 11 or 13 has occurred, check whether these have tripped as follows:

- Remove the protective caps [1].
- Press the two red buttons for the two Klixons.
- If one or both Klixons have tripped, a brief resistance can be felt when pressing the red buttons (clicking, latching).
- Re-fit both protective caps [1].
- Ensure that the intake grille is clean and free of dirt.
- Re-start the device observing all safety information and instructions.
- Confirm that the fault has been professionally resolved by pressing OK on the control unit (xControl).
- If the fault with number 6, 7, 11 or 13 reoccurs, please contact your retailer or customer service.

9.2.1 Overtemperature switches on the Tantum SpeedDry Var-Glove12 compact



On the wall-mounted dryer, the overtemperature switches are accessible from the front.

10 Shut-down and disposal

**WARNING****Risk of injury!**

Disconnect the device from the power supply and compressed air before shutdown and disassembly. Use only suitable tools for dismantling.

**NOTE****Waste disposal**

After shutting down the device dismantle and dispose of all parts properly. Clean all oily and greasy components prior to disposal. Oil and grease should never be allowed to pollute the environment. Ensure that all disposal regulations specific to your country are adhered to!

- Dismantle the device properly into its individual components.
- Dispose of components by material group (steel, plastic, electrical and electronic components, etc.).
- Dispose of oil and grease in an environmentally friendly manner.

EC/EU declaration of conformity



In line with the EC/EU Directive

WINTERSTEIGER AG
4910 Ried/I., Austria
Dimmelstrasse 9
Tel.: +43 7752 919-0 ::: Fax: 919-55
e-mail: office@wintersteiger.at
www.wintersteiger.com

We hereby declare that the product:

Manufacturer: **WINTERSTEIGER**

Product name: **Drying device**

Type/Model: **TANTUM speedDry series**

Type-No:

Conforms to the following relevant provision(s):

Low Voltage Directive 2014/35/EU

EMC Directive 2014/30/EU

WEEE Directive 2012/19/EU

Reference to the harmonized standards used in accordance with article 7 paragraph 2:

EN ISO 12100:2010

Safety of machinery - Basic concepts, general principles for design, basic terminology, methodology, risk assessment

EN 60204-1:2019

Safety of machinery – electrical equipment of machines -- Part 1: General requirements

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Authorized person for documentation: Josef Rachbauer
WINTERSTEIGER AG
4910 Ried/I., Austria, Dimmelstrasse 9

Ried i. I., 9/30/2020

Dr. Florestan von Boxberg

Chairman of the Management Board

Mag. Harold Kostka

Member of the Management Board

