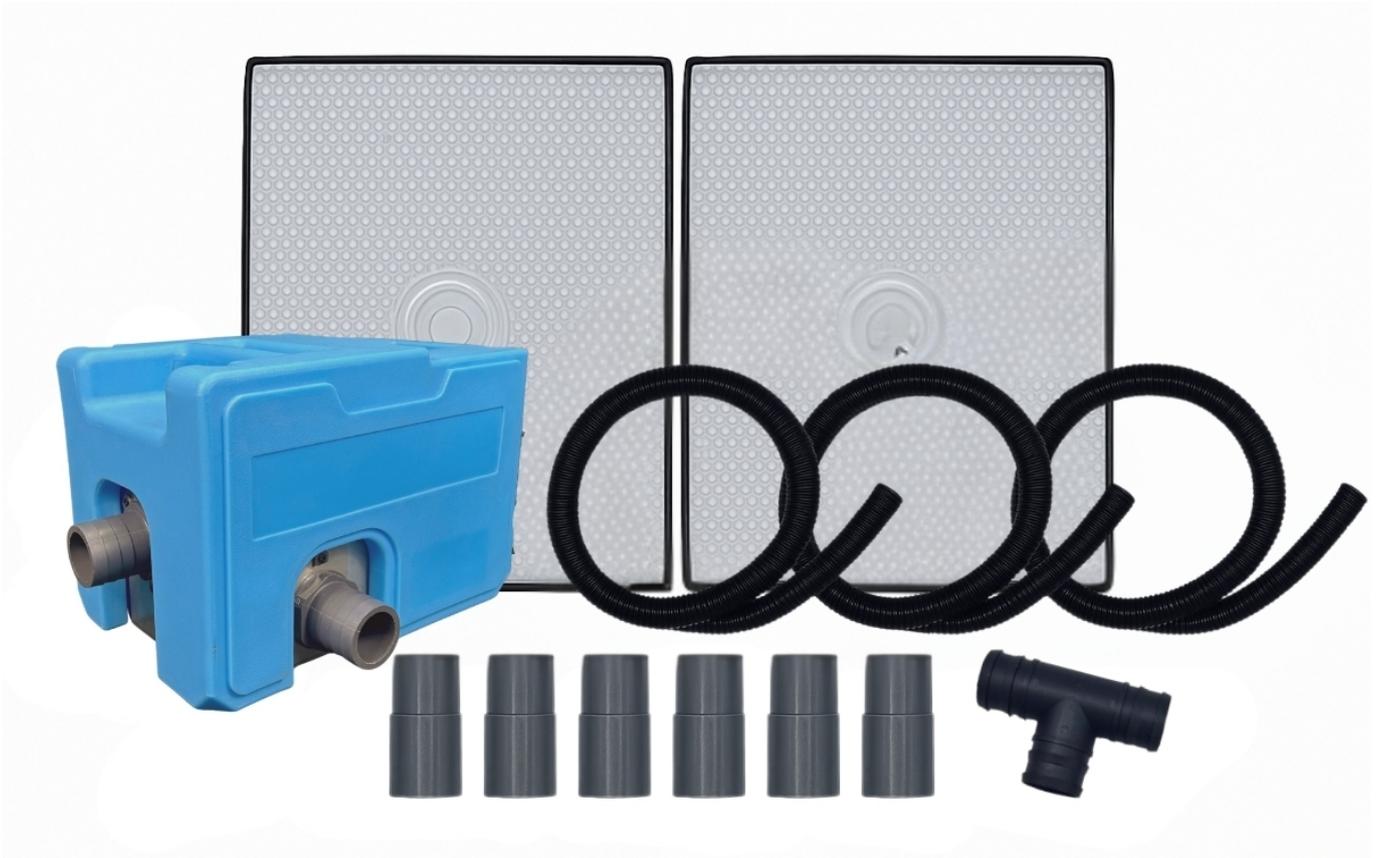


Side Channel Blower WDH-SV58



Dear Customer,

You have chosen a high-quality product. To ensure that you enjoy this product for many years to come, here are a few tips:

In case of any problems:

We hope that the device meets your expectations! If, despite the utmost care, you have cause for complaint, please contact us as we are very keen to ensure your satisfaction and would like to clear up any misunderstandings.

Description:

The side channel blower (in combination with the starter set) is a professional solution designed for the fast, non-invasive drying of water-damaged structures. Using dual pressure technology (vacuum extraction and air injection), it accelerates the removal of moisture from walls, ceilings, cupboards and confined spaces. Ideal for restoration after flooding, pipe leaks or moisture control, this system minimises structural damage with high efficiency.

Important safety instructions:

- The side channel blower must not be exposed to direct moisture (rain)!
- Do not operate the device in environments where there is a risk of coarse dust, dirt or small objects being sucked in. These could damage the device or be blown out like projectiles!
- Never place your head/face in the vicinity of the escaping air stream, as small particles or objects may be blown out and cause injury!
- Ensure that the device is standing securely and level!
- Never use the side channel blower on moving surfaces, objects or vehicles! There is a risk that the device could tip over!
- Supervise the side channel blower when children are near the device!
- This device is not intended for use by persons (including children) with limited physical, sensory or mental abilities or lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or have received instructions from that person on how to use the device.
- Never put objects into the device or insert them into it!
- Do not place any objects on the side channel blower!
- Do not block the air intake and/or exhaust of the device and please ensure there is sufficient space/clearance around the device!
- Ensure that there is sufficient air supply to the device, otherwise this may lead to reduced performance and, in the worst case, overheating and/or fire!
- Only qualified personnel or electricians are permitted to open the device!
- Only use the recommended voltage to operate the device!
- Ensure that the power cable is unfolded (untangled) before connecting it to the socket!
- Ensure that the plug is clean and properly connected to the socket before starting up the device!
- Never touch the plug or socket with wet hands!
- Do not repair defective or damaged cables on the device yourself, as you could receive a severe electric shock!
- Ensure that there are no highly flammable substances (e.g. gases/oils, etc.) near the device!
- If you are not using the device for a long period of time, switch it off and unplug it!

Please switch off the device immediately and disconnect it from the power supply if something seems to be wrong! In this case, please contact a specialist and do not attempt to repair the device yourself!

Examples: Side channel blower does not run during operation or fuse has blown.

Side channel blower plus starter set:

Designation	Illustration	Description	Quantity
Side channel blower		The side channel blower uses injection (overpressure) and extraction (underpressure) for drying. Injection forces air into cavities; extraction removes moist air.	1 x
Suction mat		Size: 55.5 × 75.5 cm Only connectors without threaded ends and soft connectors can be connected to the convex connection of the suction mat.	2 x
Vacuum hose		Length: 2 m each The end of the hose may only be connected to the threaded end of a connector.	3 x
Connector		The connector has a threaded end for connecting a vacuum hose. The connector can be screwed onto the end of the hose. The opposite end is designed for T-connectors, suction mats or the device itself and allows for modular configurations.	6 x
T-connector		T-connectors are intended for connecting the non-threaded end of the grey connector or for connecting to soft connectors.	1 x

Other available (optional) accessories:

Designation	Illustration	Description
Double-sided connector		This connector has a thread on both sides and is designed for connecting hoses to each other.
Soft connector		The soft connector is designed to connect the T-connector to a suction mat.
Adapter		The adapter can be screwed directly onto the side channel blower. Use a connector with a thread on one side to connect a hose to the device, for example.
Sealing tape		An additional roll of sealing tape can be purchased if the sealing tapes on the suction mats need to be replaced due to wear or damage.

Instructions for use:

1. Steps to be taken before installation

1.1. Determining the moisture value

Use a moisture meter to determine the extent of water ingress.
Mark affected areas with removable adhesive tape for orientation.

1.2. Removing surface water

Use a dirty water pump or water vacuum cleaner to remove visible water from the floor surface.

Important notes:

- Do not use the side channel blower WDH-SV58 to extract liquids, as this may damage the motor and will void the warranty immediately.
- Ensure that all liquid water has been completely removed before installing the mats and operating the side channel blower WDH-SV58. Liquid entering the air circulation system can cause irreversible damage to the motor and will result in the immediate expiry of the device warranty!

2. Commissioning

1.3. System setup and operation

Place the mats over the marked affected areas. Align each mat so that the longer edge crosses the largest number of floorboards/floor panels at a right angle.

Lay the mats at a maximum distance of 15 cm from each other and a maximum of 60 cm from the walls.

1.4. Sealing edges

The mats are self-sealing on smooth surfaces due to the negative pressure. On uneven floors, you can secure the mat edges with removable masking tape to ensure a strong vacuum seal.

1.5. Connecting hoses

Attach the grey connectors to the mats and connect the hoses accordingly. If you want to create several branches, you can alternatively place the soft connectors over the mats, attach the T-connector and then fix the connectors to the vacuum hoses.

If necessary, use heated connectors to ensure a tight fit.

Below is an illustration of an example setup:



1.6. Switch on the device

ON = Device ON
OFF = Device OFF

Switch on the blower and check the hose connections and mat edges for leaks.
Adjust the connections and mat seals as necessary.

Position the exhaust air hose so that the moist air is directed outside, or alternatively, direct the exhaust air into a construction waste container and place a building dryer next to it. The construction waste container is required indoors to prevent residual water droplets and condensed moisture from re-entering the floor.
When drying indoors, always use the side channel blower in conjunction with a building dryer/dehumidifier to absorb the extracted moist air.

Leave the side channel blower running until no more moist air is extracted from the floor.

1.7. Ongoing operation: monitoring and completion

- Moisture monitoring: Check the moisture content regularly with a moisture meter to assess the drying progress.
- Drying time: Continue operation until the moisture content has returned to acceptable levels.
- Dismantling the system: Once drying is complete, switch off the blower, disconnect the hoses and remove the mats.
- Inspection after use: Check all components for wear or damage and clean them if necessary before storage.

3. **Maintenance, cleaning & storage**

Always unplug the power cord and allow the blower to come to a complete stop before cleaning your device!

3.1. Maintenance:

- Daily: Check the devices for signs of wear or damage. Remove all sediments from hoses and mats.
- After each use: Clean the mats with a mild detergent and lukewarm water. Ensure that all components are dry before storage to prevent mould growth.

3.2. Cleaning:

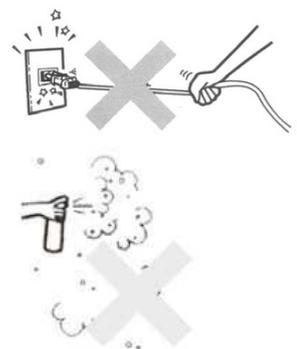
- Use a soft, damp cloth to clean the outside of the device.
- Only use mild detergents to clean your blower.
- Please ensure that no water gets inside the device at any time!

3.3. Storage:

- We recommend covering the device for storage or, ideally, storing it in its original box.
- Store the device in a dry and well-ventilated place.

4. **Other operating instructions**

- 4.1. Do not disconnect the mains plug by pulling on the power cable!
- 4.2. Do not use insecticide, oil or paint spray etc. near the fan. This can damage the device or even cause a fire!
- 4.3. Do not place the device on a sloping or uneven surface!
- 4.4. Please always keep a distance of approx. 20 cm from the wall to prevent the device from overheating. Please also keep a sufficient distance from curtains, for example, so that the air inlet is not blocked.
- 4.5. Please keep the device away from heat sources!
- 4.6. Always keep and transport the device in its proper, upright position!
- 4.7. Do not insert any objects into the device. This is dangerous!



5. Troubleshooting

- 5.1 Weak suction power: Check the hose connections and mat seals for leaks. Ensure that the fan is working properly.
- 5.2 Uneven drying: Check the placement of the mats to ensure that the affected areas are completely covered. Ensure that the mats seal properly to the floor.
- 5.3 Fan overheating: Ensure that the fan is not being used to extract liquid water.

Technical data:

Model name:	WDH-SV58
Voltage:	220-240V / 50Hz
Max. power consumption:	320 W (2.54 A)
Air pressure output:	5,800 Pa
Max. air circulation:	226 m³/h
Protection class:	IP42 (protection against foreign objects > 1 mm and dripping water when tilted)
Air duct diameter:	Approx. 39 mm
Max. speed:	10,800 rpm
Max. noise level:	88 dB(A)
Dimensions (H/W/D):	360 x 250 x 260 mm
Weight:	4.5 kg

Compliance:

The pressure blower has been tested and manufactured, in whole or in part, in accordance with the following (safety) standards:

Naturally with CE (LVD+EMC) compliance.

CE (LVD) compliance tested according to: EN 60335-2-80:2003+A1:2024+A2:2009
EN 60335-1:2012+AC:2014+A11:2014+A13:2017+A1:2019
+A14:2019+A2:2019
EN 62233:2008+AC:2008

CE (EMC) conformity tested according to: EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022
EN 61000-4-2:2009
EN IEC 61000-4-3:2020
EN 61000-4-4:2012
EN 61000-4-5:2014+A1:2017
EN 61000-4-6:2014+AC:2015
EN IEC 61000-4-11:2020

Correct disposal of this product:



Within the EU, this symbol indicates that this product must not be disposed of with household waste. Old appliances contain valuable recyclable materials that should be recycled and not harm the environment or human health through uncontrolled waste disposal. Therefore, please dispose of old appliances via suitable collection systems or send the appliance to the place where you purchased it for disposal. They will then send the appliance for recycling.

We hope you enjoy using this appliance.

Aktobis AG

Keep these instructions for use in a safe place !