SIMPLY AIR COMPACT CW

USER MANUAL



1. Introduction

Thank you for purchasing the Simply Air Compact CW vacuum unit.

This manual contains important information for the safe and proper use of the machine. The machine complies with current technical and safety standards and may only be operated by trained and authorized personnel.

All operators must read and understand this manual before operating the machine.

Failure to follow the instructions may result in serious personal injury or material damage.

Keep this manual with the machine at all times. If the machine is sold, this manual must be handed over to the new owner.

For additional copies, contact:
info@vwairproducts.nl

VW Air Products reserves the right to make technical changes without prior notice.



2. Important Safety Instructions

- **Keep hands, feet and clothing away from moving parts.**
- **Always wear appropriate personal protective equipment.**
- **Do not modify or remove safety components.**
- **Switch off the compressor and depressurize the system before performing maintenance.**
- **This machine generates high vacuum levels. Avoid contact with persons or animals. Risk of serious injury or suffocation.**
- **This machine operates using compressed air. Objects may become airborne during operation.**
- **Keep unauthorized persons away from the work area.**
- **Do not use the machine for purposes other than its intended use.**

The manufacturer accepts no liability for accidents or damage resulting from improper use or failure to follow this manual.

3. General Information

This manual contains essential safety and operating instructions for the Simply Air Compact CW vacuum unit.

Failure to read and understand this manual may result in:

- **Serious injury**
- **Damage to equipment**
- **Voidance of warranty**

Only authorized personnel may operate the machine.

4. Transport

Before transport:

1. **Ensure all components are properly secured.**
2. **Switch off the compressor.**
3. **Fully depressurize the air system.**

5. Service & Maintenance

- **Keep the machine in good operating condition at all times.**
- **Safety devices must remain installed and functional.**
- **Inspect the machine daily before use.**
- **Use only original Simply Air spare parts.**
- **Follow regular maintenance intervals.**

6. Operating Instructions

Before Operation

- **The operator must be trained in vacuum excavation.**
- **Check compressor fluid levels.**
- **Inspect vacuum hoses and tools for blockages or damage.**
- **Check and clean or replace filters if necessary.**

WARNING:
Do NOT operate without the filtration system installed, unless vacuuming water only.

- **Verify safety equipment and personal protective equipment.**
- **Check local underground utility maps.**
- **Inform authorities when working near public roads.**
- **Ensure a proper disposal plan for collected material.**

Do NOT vacuum hazardous or flammable materials.

7. Vacuum Excavation Procedure

1. Position the unit on level ground.
2. Apply the compressor parking brake.
3. Install traffic control measures if required.
4. Start the compressor and allow it to warm up.
5. Connect the suction hose to the tank.
6. Connect the compressed air hose to the Venturi system.
7. Open the compressor valve, then open the machine valve to start vacuum generation.
8. Close the valve to stop vacuum operation.

Liquid Suction

- Material will flow rapidly into the tank.
- The float valve prevents overfilling.
- However, contamination of the filter cannot be fully excluded.

Dry Material

- The float valve does not activate.
- Stop operation when the vacuum gauge indicates excessive vacuum.

After operation:

- Switch off the compressor.
- Remove the ignition key.
- Secure hoses and tools before transport.

8. Emptying the Tank



Before starting work, determine how the collected material will be disposed of.

1. Open the bottom lid using the locking mechanism.
2. Empty the collected material.
3. Clean the tank if necessary.
4. Close the lid securely.

The air filter must be cleaned daily.
Do NOT clean the filter using compressed air if heavily contaminated.
Replace damaged filters immediately.

The machine must not be operated without the air filter element installed, unless vacuuming water only.

9. Cleaning

All hoses and tools must be cleaned after use.
Sand and debris reduce performance.

Always clean the machine and hoses before storage.

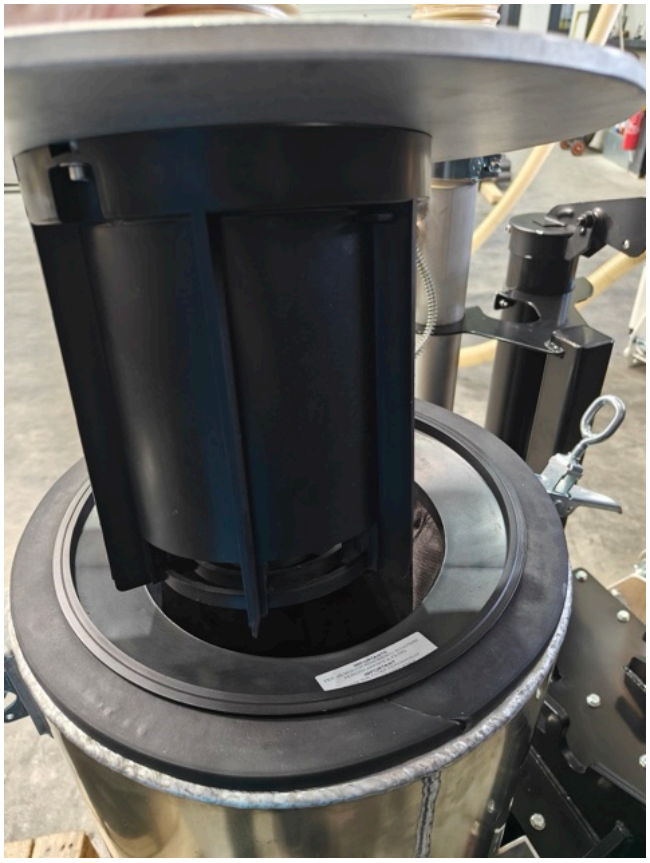
10. Maintenance Instructions

- Inspect filters daily.
- Remove the top lid to access the filter bag.
- Inspect for damage.
- Replace only with manufacturer-approved filter bags..

Fig. 1:



Fig. 2:



After use, open the red valve at the silencer and blow through for at least 1 minute to prevent moisture buildup.



11. Hose Connections

1. **Connect the suction hose using the Perrot coupling. Fig 8**
2. **Connect the compressor hose to the machine valve. Fig 9**
3. **Attach the safety cable.**
4. **Start the compressor.**
5. **Open the compressor valve.**
6. **Open the machine valve. Fig 9**

Fig. 8:



Fig. 9:



12. Crushing Hazard Warning

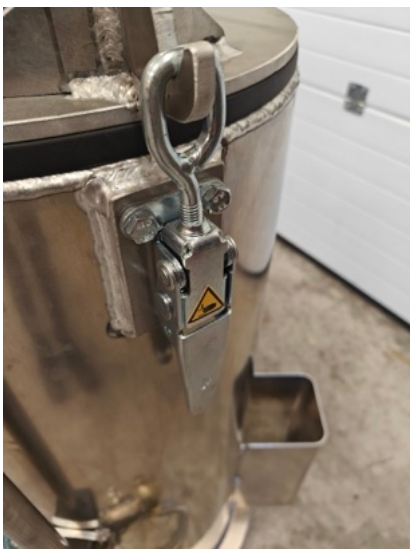
Risk of pinching when opening or closing lids. Fig 10 and 11

Keep hands clear during closing operations. Fig 10 and 11



Fig 10.

Fig. 11:



13. Warranty

Limited Warranty – 24 Months

The manufacturer warrants that the product is free from defects in materials and workmanship for a period of 24 months from the date of delivery.

The warranty does not apply to:

- Improper installation
- Improper storage
- Unauthorized repairs
- Modifications
- Neglect or misuse
- Use contrary to intended purpose

Claims must be submitted in writing within 10 days of discovering the defect.

The manufacturer reserves the right to inspect the product at the buyer's expense.

If the defect is confirmed, the product will be repaired or replaced at the manufacturer's discretion (transport costs excluded).

The buyer is responsible for routine maintenance including cleaning, lubrication and inspection.

Troubleshooting – Poor Suction

1. Tank full → Empty tank
2. Hose blocked → Remove blockage
3. Venturi freezing → Temporarily bypass aftercooler

(The Venturi may freeze in cold conditions due to compressed air expansion.)