

Operating Instruction English

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This operating instruction is not
subject to updating

Air Blower

95001

Vor Beginn aller Arbeiten
Betriebsanleitung lesen!

*Read operating instruction
before beginning of all works!*

Betriebsanleitung immer
AUFBEWAHREN!
griffbereit am Gerät

*Always **KEEP** operating
instruction! In a ready hand
way at the device*

Achtung: Vor Inbetriebnahme
Gerät auf mängelfreien Zustand
und technisch einwandfreie
Funktion kontrollieren.

***Caution:** Before starting-up
check device on faultless
condition and technically
perfect function.*

Das Original ist die
deutsche Fassung

*The German version
is the original*



This air blower is a quality product with special focus on high functionality, easy handling, safety and reliability. As technical work equipment this air blower is designed for use in industrial commerce and for operators that have been trained by qualified personnel to use technical devices / tools.

Customer Care:

Within the framework of our individual customer care we are well prepared to answer your questions regarding use and operation as well as regarding any possibly arising problems.

Service and Maintenance:

To maintain the high technical productivity and reliability of our air blower for many years we recommend regular inspection and maintenance. Our customer service provides optimal support which we offer within the framework our service and maintenance agreement. Please do ask for our quotation.

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2 General

This operating instruction includes any and all rules for operation, placing into operation and maintenance of the air blower.


All details and notes in this operating instruction were prepared subject to the applicable regulations, the latest engineering stage of development as well as according to our long-term knowledge and experience.

The translations of the operating instruction were carried out according to the best of knowledge.

However, we exclude any liability for translation errors.

The enclosed German version of this operating instruction shall be decisive.

The actual scope of delivery may vary from the descriptions and drawings as provided here when it comes to special design, additional order options or due to latest technical changes. Please contact us for any questions.

-  This operating instruction must be read carefully prior to any work on or with the device, in particular before any placing into operation!
- The manufacturer shall not assume any liability regarding defect and malfunction resulting from any non-observation of this operating instruction.

The operating instruction must be kept absolutely close to the device and must be accessible for all persons working on or with the device

It is not permitted to provide this operating instruction to any third party, any provision may result in damage claims – if applicable. We reserve the right to further claims.

Prior to placing the device into operation it must be checked for being free of defects and for working technically correct.

The original version is in the German language.

We reserve our right to technical changes on the product within the framework of improvement of the functional characteristics and further development.

This operating instruction is our property.

Any copying, use or notification to third parties is criminal and liable to prosecution (German Copyright Act against Unfair Competition, German Commercial Code).

All rights reserved for the case of patent right issue (section 7, subsection 1 German Patent Law) or GM registration (section 5, subsection 4 GMG).

3 Warranty

The warranty is subject to:

to the terms and conditions as agreed in the purchasing agreement and in the „General Terms and Conditions of Deliveries and Services of C.K. Walther GmbH & Co. KG” in the version as applicable on the date of execution of the purchasing agreement.

Generally, wearing parts are excluded from any warranty. Typical wearing parts in the product range of C.K.Walther GmbH & Co. KG are e. g.:

- seals
- springs

Safety instructions

4 Safety instructions

The application of this operating instruction does not release the operator from the observation of any applicable occupational safety regulation, e.g. the Operational Safety Regulation.

The operator of the air blower must perform its duty of care by planning measures for ensuring a proper operation and by controlling implementation.

Hazard Notes

- No air blower is admitted for air cleaning of dirt particles on clothes, glasses, gloves or similar on the body. Despite nozzles formed to markedly reduce the risks and hazards when dealing with the energy source air, direct body contact must be avoided because severe injuries may occur.
- When working with air blowers well fitting safety glasses must be worn (also by nearby persons) because chips or other coarse material are moved with much
- The maximum admissible working pressure must never be exceeded (see Technical Data).
- Never use oxygen, flammable gases or halogenated hydrocarbons as energy .
- Check all connections and hoses for tight fit and serviceability. Loose hoses may be a risk of severe injury.
- Prior to adjustment works, fault clearance and long-term non-use as well as maintenance works disconnect the air blower from the pressure source.
- Air blowers must not be diverted from its intended use or rebuilt. Only use original equipment. Not recommended equipment has a risk potential
- Do not use the device when it does not work properly or when it was damaged. Do not try to repair it on your own.

The operator must in particular ensure that

- the air blower is used only according to the intended use.
- the air blower is operated in a perfect working condition.
- persons with limited physical, sensory or mental abilities do not use the air blower unless when supervised and trained by an advisor.
- any and all parts of the sets are kept out of the reach of children. The air blower is no toy.
- the operating instruction is at all times available to the operating personnel in a complete and legible state.
- the operating personnel is familiar with the safety notes and principle of operation of the air blower.
- The nozzles may develop a very high noise level (90dB(A)).
In general, for air-cleaning of blind holes or blowing against edges it is known that indefinable noise frequencies can occur that may damage the hearing.
To prevent any such, ear protectors must be worn for long lasting works without interruption.
- during the operation of the air blower so safety devices are removed and / or deactivated.

Safety instructions

After finishing mounting and installation works of the air blower and prior to the placing it into operation the following points must be observed:

Check again all screw connections for tight fit.

Prior to placing the air blower into operation a functional testing must be carried out.

Product Description

5 Product Description

5.1 Intended Use

- The air blower is intended for air-cleaning of objects and places difficult to access as well as blow drying of damp places.

5.2 Technical Description

material: plastics

- to avoid any negative influence on the material property (plastic) of the housing of the air blower, the air blower must not be cleaned with benzene or alcoholic cleaning agents.
Similarly, when heavily oily it should be cleaned with water only.
- Should damage occur on the plastic housing despite the observation of these notes the air blower must not be used further. Bursting or yielding of the thread on the nozzle connection is possible.

5.3 Technical Data

The air blower can be equipped with various connections.

These connections can be inquired at the manufacturer Walther-Präzision.

The nozzles are designed in such way to provide a wide protection against improper use so that any excessive buildup of pressure is avoided when placed on skin.

Nevertheless the blowing force is underestimated.

Pressure is often unnecessarily increased for subjective reasons, this is not necessary.

Working pressure: 5-6- bar

Max. working pressure: 8 bar

Operating temperature: -10°C bis +50°C

Noise level:

(measured in ca. 1m distance to the air blower)

see table

Inlet pressure	Noise level
1 bar	70 dB/A
2 bar	72 dB/A
3 bar	74 dB/A
4 bar	76 dB/A
5 bar	78 dB/A
6 bar	80 dB/A

- the air blower is not intended for any other usage and technical values than indicated in the product description.
- If the air blower is used not according to the intended use and the respective technical values no safe operation can be ensured.
- Regarding any and all personal injuries and damage to property resulting from any and all use not according to the intended use or to the technical values not the manufacturer but the operator of the air blower is responsible and liable

6 Installation Manual

The air blower must be integrated into a network under consideration of the general accident prevention regulation in such way that:

- proper operation according to the operating instruction is possible.
- any outer damage of the unit as well as of the moving parts is excluded



After the mounting works are completed a functional testing according to the operating instruction is to be carried out both in depressurized and pressurized state.

Operating Instruction

7 Operating Instruction

To avoid any possibly life endangering injuries of the personnel and damage to the air blower during operation only the conditions of use as indicated under the point product description must be used.

There are two alternatives for manual pick up



Valve closed
(no air flow)



Valve open
(air flows)



Maintenance and Functional Testing

8 Maintenance and Functional Testing

Preventive Maintenance Measures

The WALTHER- air blower must be handled in such way that any outer damage to the elements and to all moving parts can be excluded.

Maintenance

To always ensure the functioning of the air blower and therefore the protection of the operator a maintenance and functional testing must be carried out in suitable intervals depending on the operating conditions.

The maintenance includes the following points:

- A visual inspection regarding possible damage and soiling must be carried out
- Soiling of the functional area (seal area, actuating elements) accessible from outside can be removed by simply wiping it off.
- When parts are damaged, torn or corroded the air blower must be demounted and sent to the manufacturer for repair.

Warning !

When repair is carried out individually a pressure and leak test must be absolutely effected, this can also be carried out during the working process. The procedure and scope of this test is described under the section “Testing”.

Warning !

The manufacturer Walther-Präzision does not provide and expressly excludes any warranty for any repair not carried out by the manufacturer Walther Präzision.

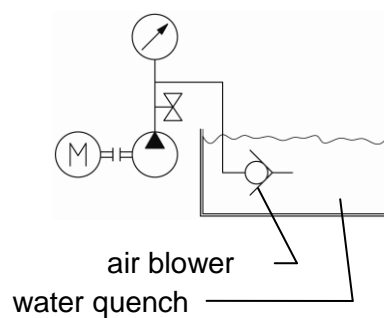
9 Testing

Description:

Testing the fitting by immersion testing according to the following table values.

Series	
air blower	2 bar absolute

- Test assembly and test sequence
air blower



- Notes and Remarks:

The holding time per test is 10 sec.

Taking into account a leak rate of 10^{-2} mbar x l/s 3 gas bubbles with a diameter of 4 mm may escape in these 10 sec.

After the testing the fitting must be dried in warm air as soon as possible.

(Recommendation: 45 – 55 °C, ca.30 min in air current, 2 h in static air, depending on the device)

- Documentation:

Testing must be documented by recording the test pressure, test fluid and name/date.

10 Storage

The air blower must be stored in such way that no damage may occur to the air blower.

The storing conditions of the air blower must be subject to the guidelines regarding the seals because the seals may alter by improper storage.

The following points must be observed:

- The air blower must be stored in a dry place.
- For a safe conservation of the seals, the seals and thus the air blower should be stored in a dry place without any day light.

Placing out of Operation

11 Placing out of Operation

At the end of the service life the air blower or its single parts must be disposed of in an environmentally sound manner and according to the legal requirements.

For this purpose local public or private disposal firms should be commissioned.

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