

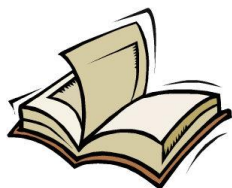


# Abrasive gun

## 2200 K-SM

Art. no.: 22301

Thank you very much for the trust you have placed in us and our products.



**Please read the operating manual first before working with the abrasive gun.**

This operating and maintenance manual contains important information which is necessary for the safe and trouble-free operation of your abrasive gun. For this reason, always keep this operating manual with the abrasive gun.

**General notice:**

This abrasive gun was developed for certain applications. We expressly point out that this abrasive gun must not be modified and/or used in a way that does not correspond to its intended use.

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## 1. Technical data

Description	2200 K-SM
Operating pressure	2-8 bar
Maximum pressure	8 bar
Container volume	1 litre
Connection thread	¼"
Compressed air connection	Quick coupling
Jet adjustment	yes
Measurement 2000 KSM	approx. 245 x 220 x 125 mm
Net weight	approx. 725 g
Gross weight	approx. 974 g
Required air quality	Filtered and condensate-free

## 2. Extent of delivery

Abrasive gun, plastic container, operating manual

## 3. Intended use

This abrasive gun in light design is a compressed air operated tool for manual use. It is suitable for processing abrasives.

## 4. Features

The effectiveness of the 2200 K-SM abrasive gun is based on the Venturi effect. For this purpose, an air stream is used which accelerates as it flows through the air nozzle and thus generates negative pressure in the adjoining riser pipe. The abrasive is thereby sucked in and sprayed out via the nozzle by the air flow.

## 5. Safety instructions

Protect yourself and the environment by taking appropriate precautions against the risk of accidents and observe the following instructions in your own interest:



- The operator must ensure proper operation.
- Do not bring compressed air and abrasives in contact with skin or eyes.
- Keep children and pets away from the operating area.
- Never direct abrasive at animals, people or yourself.
- No manipulations, emergency repairs or misappropriation may be carried out on the gun.
- Abrasive guns may only be operated and maintained by instructed persons.
- Repairs must only be carried out by qualified persons.

**The following applies to all maintenance and repair work:**



- It is essential to disconnect the abrasive gun from the compressed air connection.
- Only use original spare parts.
- The maximum working pressure must not be exceeded (see point 1 "Technical data"). The working pressure must be adjusted via a (filter) pressure reducer.
- Only use compressed air as energy source.
- The compressed air connection may only be made via a quick coupling.
- When working with the abrasive gun, wear the necessary protective clothing, goggles, work gloves, ear protection if necessary and a respirator mask.
- If there are leaks in the device or other operating faults, the device must be disconnected from the compressed air supply immediately and the cause of the fault must be eliminated.
- Residues of abrasives and cleaning agents must be disposed of in accordance with environmental regulations.
- The disposal of the compressed air device must be carried out according to the valid legal regulations.

## 6. Installation

Unscrew the plastic container and fill it with the material to be processed. Then **hand-tighten** the abrasive gun with the mounted container lid. Take care not to overtighten the thread!

Connect the gun to the compressed air supply via the quick coupling. By pressing the trigger you put the abrasive gun into operation.

The spray pattern can be influenced by the following factors:

- Distance between abrasive nozzle and object
- Angle of the gun to the object
- By adjusting the hardened abrasive pipe

## 7. Maintenance and care

After each use, disconnect the device from the compressed air supply and thoroughly clean it. We recommend benzine or commercially available terpene-based cleaners. **Do not use aggressive cleaners!** Following the maintenance instructions will ensure a long service life and trouble-free operation of this quality product.



### Attention:

Pay attention to a proper disposal of the residues, which arise during the maintenance and care.

## 8. Storage

The compressed air tool must be stored under the following conditions:

- Remove residual material from the container.
- Carefully clean the abrasive gun after each use.
- Store in a dry and dust-free place.
- Do not expose to liquids and/or aggressive chemicals.
- Keep out of the reach of children.

## 9. Troubleshooting

In all cases of malfunction, please check first whether there is sufficient compressed air available and whether the abrasive is dissolved/absorbent.

- **Gun sprays messy:**

Possible cause: Abrasive media pipe, riser pipe or vent hole dirty.

Solution: Clean parts.

- **Gun does not spray any material:**

Possible cause: Riser pipe/abrasive media pipe blocked; grain size of the abrasive too large.

Solution: Clean clogged parts; use suitable grain size.

- **Air escapes from the spray nozzle even though the trigger is in its initial position:**

Possible cause: Valve bolt is jammed.

Solution: Pour oil onto the valve bolt and/or into the compressed air intake. Operate the trigger several times.

## 10. Warranty terms

The basis for all warranty claims is the complete abrasive gun and the proof of purchase. Damage caused by improper handling of the abrasive gun is not covered by the warranty.

If you have any questions, please indicate the type designation or the article number of the abrasive gun.

- In conformity with legal regulations, you receive a 24-month warranty on all products against material and manufacturing defects.

Excluded from the warranty:

- Wear parts.
- Damage caused by improper use.
- Damage caused by lack of maintenance.
- Damage caused by dirt.
- Damage caused by untreated compressed air.

If warranty claims are made, the abrasive gun must be in its original condition.

**11. Address**

In case of service your sales representative is at your side or contact the following address:

Vaupel GmbH  
Gerätebau & Drucklufttechnik  
Am Forsthaus 6  
35713 Eschenburg-Simmersbach  
Germany  
Telephone: +49 (0) 2774 80069-0  
E-Mail: [info@vaupel-gmbh.de](mailto:info@vaupel-gmbh.de)  
Internet: [www.vaupel-gmbh.de](http://www.vaupel-gmbh.de)

**Notice:** We reserve the right to make technical changes. Illustrations may differ from the original. We assume no liability for printing errors

## 12. EC-declaration of conformity

### EC-declaration of conformity

In accordance with the EC Machine Directive 2006/42/EC,

Type of gun: Suction gun for compressed air

Type designation: Type 2200 K-SM

Type description: Abrasive gun

Article number manufacturer: 22301

Is developed, designed and manufactured in accordance with the above EC Directives, under the general responsibility of

Company : Vaupel GmbH  
Gerätebau & Drucklufttechnik  
Am Forsthaus 6  
35713 Eschenburg-Simmersbach

The technical documentation is complete.

The following harmonised standard has been applied:

**DIN EN ISO 12100 - Sicherheit von Maschinen – Allgemeine Gestaltungsleit-sätze - Risikobeurteilung und Risikominderung**

The operating instructions belonging to the machine are available in the original version and in the respective national language.

Simmersbach, 01.04.2020

Place, Date



Signature, Managing director

**13. Spare parts list**

<b>Pos.</b>	<b>Article no.</b>	<b>Description</b>
1	---	Gun body
2	50 3909 005	Trigger
3	30 1102 006	Lever axis
4	60 3100 029	Lock washer
5	80158	Valve bolt
6		O-ring 1.5 x 0.75 mm
7		Valve seal
8	60 3103 003	Spring for valve
9	60 4100 062	O-ring 8 x 1 mm
10	30 1120 002	Locking screw
11	30 3421 001	Sand abrasive nozzle 2.0 mm
12	30 3410 003	Lock nut M16x1
13	30 3129 001	Abrasive nozzle (2900 SM)
14	10 1126 003	Fixing screw ¼"
15	40 4104 015	Adapter 2000
16	10 2150 001	Aluminium plate 2000 Ø 50 mm
17	50 3100 003	Washer Ø 50 mm
18	30 1433 033	Straight screw-on fitting 10 – ¼"
19	10 4109 024	Riser pipe PE natural, 100 mm
20	---	¼" Connection thread
22	40 4129 001	Plastic container