

deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

TECHNICAL DATA SHEET

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Fine blasting devices

The Resko Fine Airblaster Unit is developed for a novel way of carefully cleaning. With the Airblaster Fine Blasting Unit, one can clean with pinpoint accuracy, which is ideal for cleaning the smallest and sensitive areas. Easy and accurate handling and low air consumption and the design for long-term use characterizes the devices. Accessories makes it possible to use Resko Fine Airblaster for cleaning with akablast media.

To operate the device, you need compressed air (compressor) and a power connection (110-220VAC / 50-60 Hz). The Resko Fine Airblaster is small and low-weight and easy to transport, which enables universal use. A turnable pressure regulator controls the jet pressure of the Resko Fine Airblaster. In addition, a turn screw in the pressure vessel adjusts the flow of soft abrasive. Three different nozzles (diameter 0.8 mm, 1.2 mm and 1.8 mm) allow the use of all common soft abrasives up to a grain size of 250 µ. See all available soft abrasives on the last page.

The built-in quick exhaust valve immediately interrupts the airflow by releasing the switch on the handle. This function prevents unwanted "after-blasting".

Equipment

Airblaster I:

The Airblaster I is equipped with one container for soft abrasive and an electric one-hand controller.

Airblaster II:

The Airblaster II has two containers for soft abrasive and two one-hand controller. This enables the use of two different blasting media without changing blasting media in a single the container.

Airblaster II WPS:

Besides the same specification as Airblaster II, the Airblaster II WPS offers a servo valve with a discharge of abrasives. It is suitable for the most delicate work, with little pressure (<1 bar) and direct control.

Other equipment

A suction cabinet (Art. No. 5992 063) in combination with a Fuchs Dust Extraction system (Art. No. 5990 022) can make the workflow even more efficient. Individual configurations are put together on request.

User Instructions

Essential steps to observe during operation:

1. Only Use of the fine blasting device with the prescribed protective equipment (see Caution on page 4)!
2. Operating pressure max. six bar.
3. Use abrasives with a maximum grain/ fiber size of 250 µ (with smaller nozzle diameters, correspondingly finer).
4. Use abrasive only once.
5. Keep the sealing surface of the container clean so that the lid is closed tightly.
6. Always screw the cover tight after filling in the abrasive.
7. Do not use damp abrasives.
8. Beware of kinks on tubes distributing the soft abrasives.
9. To adjust the jet pressure, pull out the knob on the regulator, adjust the pressure and then push it in again to lock.:
 Rotate right: Increase pressure
 Rotate left: Decrease pressure
10. Use only dehydrated and clean compressed air.
11. Do not overfill the container for soft abrasive. Allow min. 20 mm of empty space to the upper edge of container.
12. Place the tubes for the expelled air in the exhaust air cabinet before starting work.

Technical specifications

	Airblaster I	Airblaster II und II WPS	
Gewicht	5,8 kg	7,9 kg	
Measurements (l x b x h)	230 x 200 x 340 mm	230 x 200 x 340 mm	
Soft Abrasive Container	1 x 0,7 liter	2 x 0,7 liter	
Operating Pressure	max.: 6 bar	max.: 6 bar	
Air Consumption	110 l/min	150 l/min	200 l/min
With Nozzle	Ø 0,8 mm	Ø 1,2 mm	Ø 1,8 mm

Accessories, malfunctions, spare parts or abrasives

In the event of a malfunction, replacement part or abrasive requirement, please contact Deffner & Johann GmbH directly.

Art.-Nr.	Product
5850 501	Resko Airblaster I
5850 502	Resko Airblaster II
5850 504	Resko Airblaster II WPS

Accessories

Art.-Nr.	Product
5850 508	Nozzle 0,8 mm
5850 512	Nozzle 1,2 mm
5850 518	Nozzle 1,8 mm
5850 525	Set for use with Akablast (Suction Tube and Nozzle 2,5 mm)
5850 526	Cone Nozzle

Softblasting Media

Art.-Nr.	Product	Beschreibung
4242 101	Microcrystalline Cellulose	(„softest“)
4242 106	Soft Blasting Abrasive A	(“ soft, larger particle than “B”)
4243 120	Soft Blasting Abrasive B	(“ soft)
2444 000	Wheat Starch Soft Blasting Abrasive	(slightly harder than other media)
4244 100	Soft Blasting Abrasive MK 100 for Metal	(vegetable granulates for tough materials)
4244 200	Soft Blasting Abrasive Spheres for Metal	(White, spherical particles, for tough surfaces. Virtually insoluble in water, ethanol and oils.)

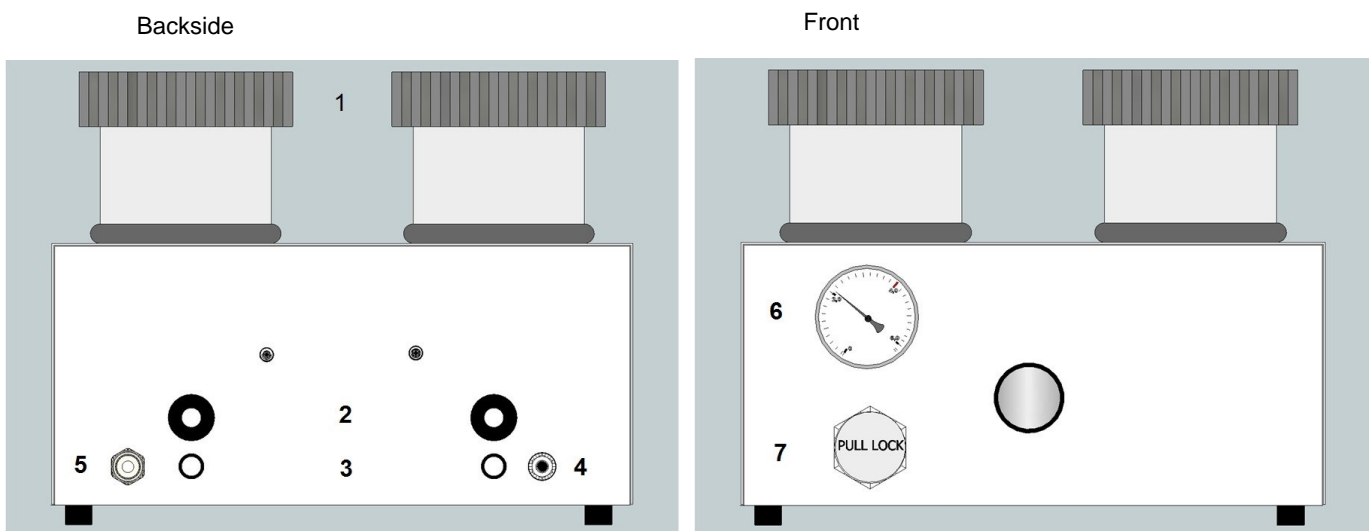
More Information about Set-up and Blasting Media:

<https://youtu.be/ncJJP1kEzU4>

<https://youtu.be/pfflhtivAso>

Legend to the illustrations

- 1 Lid of the abrasive container
- 2 Blasting media outlet with cable to the electric one-hand spray nozzle
- 3 Exhaust air outlet (with Airblaster II WSP, hose for insertion in the extraction cabinet)
- 4 power connection (12V / AC adapter)
- 5 Compressed air inlet G¼ quick coupling
- 6 pressure gauges
- 7 Lockable pressure setting



Caution

According to the rules for safety and health at work, the following protective equipment is recommended:

- Impact protection to protect skin and eyes: e.g. Goggles and gloves
- Respiratory protection, as protection against dust and microorganisms: e.g. Fine dust masks or filter masks
- Protective clothing against dust, if it is not possible to work in a suction cabinet: e.g. Tyvek disposable coveralls