

SATA

German Engineering

Cleaning Systems

For clean results every time





Cleaning, maintenance and care

In order to exploit a tool's full potential, cleaning, maintenance and care are important "to dos" in every-day work. It is only in a clean and well-maintained condition that work can be carried out effectively and unnecessary re-working avoided. This includes suitable cleaning tools and equipment as well as correct cleaning procedure and frequency.

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SATA clean RCS

Fast.

Thorough.

Clean.





The SATA clean RCS is a compressed air-driven cleaning system for the intermediate cleaning of spray guns. SATA clean RCS – the turbo cleaner in the spray booth allows several paint changes in succession with extremely brief cleaning interruptions. This not only saves time and unnecessary working distances, but also increases productivity and efficiency.

There is no need to clean the cups when SATA RPS multi-purpose cups are used. Only the spray gun's paint channel and air nozzles still need to be cleaned. The SATA clean RCS rapid cleaning device can be mounted inside or outside the spray booth. During intermediate cleaning, the spray gun remains connected to the air hose, keeping work interruptions to a minimum. Intermediate cleaning of the spray gun or a complete paint change only takes approx. 20 – 30 seconds.

SATA CLEAN RCS - TURBO CLEANER

- For paint shops with high throughput
- Thorough cleaning of the material passages
- Eliminates the need for trips in and out of the booth, as it can be mounted inside the spray booth
- Increases bodyshop productivity
- **Optional:** Hose for extracting solvent vapours

SATA CLEAN RCS COMPACT

- To connect large cleaning agent containers
- Recommended for assembly in the mixing area
- **Optional:** Hose for extracting solvent vapours

SATA CLEAN RCS MICRO

The space-saving alternative for your mixing room

- To connect large cleaning agent containers
- Recommended for assembly in the mixing area
- Space saving single chamber system
- **Optional:** Hose for extracting solvent vapours

BENEFITS

- No need to disconnect the spray gun or adjust the inlet pressure - automatic pressure adjustment when switching between "spraying" and "cleaning"
- Improved efficiency: thanks to optimised workflows and booth utilisation
- Thorough: cleaning the paint channel and air nozzle
- Universal: Suitable for water- and solvent-based spray paint systems



Intermediate cleaning with SATA clean RCS

The SATA clean RCS is available in three versions. By mounting it in the spray booth, it is possible to carry out one or more paint changes in succession with extremely short cleaning interruptions.



1. Cleaning of material passage and air cap

The spray gun remains connected to the compressed air network; in cleaning mode, the inlet pressure at the spray gun is lowered to prevent back fog. The paint channel and the air nozzle are cleaned at the same time.



2. Dry-blowing of spray gun

Any residue of the cleaning agent is removed in the drying chamber.



3. Make the colour change, if necessary

The complete paint change can be completed in approx. 20 – 30 seconds.

Tip: The RCS unit provides an ideal storage area for the follow-on shades prepared in the RPS multi-purpose cup. It is not necessary to leave the booth to change the paint.



SATA CLEAN RCS TURBO CLEANER

- Dimensions: (W x H x D) 310 x 705 x 225 mm
- Empty weight: 10 kg
- Inlet pressure: 6.0 - 8.0 bar
- Air consumption: 135 NI/min per cleaning incl. drying
- Air connection: 1/2" external or G 1/4" internal thread
- Detergent container: 2x RPS cups; alternatively: External detergent suction and recirculation for 2 large containers can be retrofitted
- Duration of cleaning: approx. 25 sec.
- Rinsing quantity per cleaning process: approx. 140 ml
- Cleaning agent type: Water, solvent or combination cleaner
- Manual cleaning, integrated drying, air purge system
- 2 cleaning/drying chambers
- Suitable for spray booth or mixing room / ante-room

SATA CLEAN RCS COMPACT



- Dimensions: (W x H x D) 310 x 465 x 225 mm
- Empty weight: 7 kg
- Inlet pressure: 4.0 bar
- Air consumption: 135 NI/min per cleaning incl. drying
- Air connection: 1/4" external thread
- Detergent container: 2 containers
- Duration of cleaning: approx. 25 sec.
- Rinsing quantity per cleaning process: approx. 140 ml
- Cleaning agent type: Water, solvent or combination cleaner
- External pick-up and recirculation of cleaning agent for bulk containers
- Manual cleaning, integrated drying, air purge system
- 2 cleaning/drying chambers
- Suitable for mixing room / ante-room

SATA CLEAN RCS MICRO

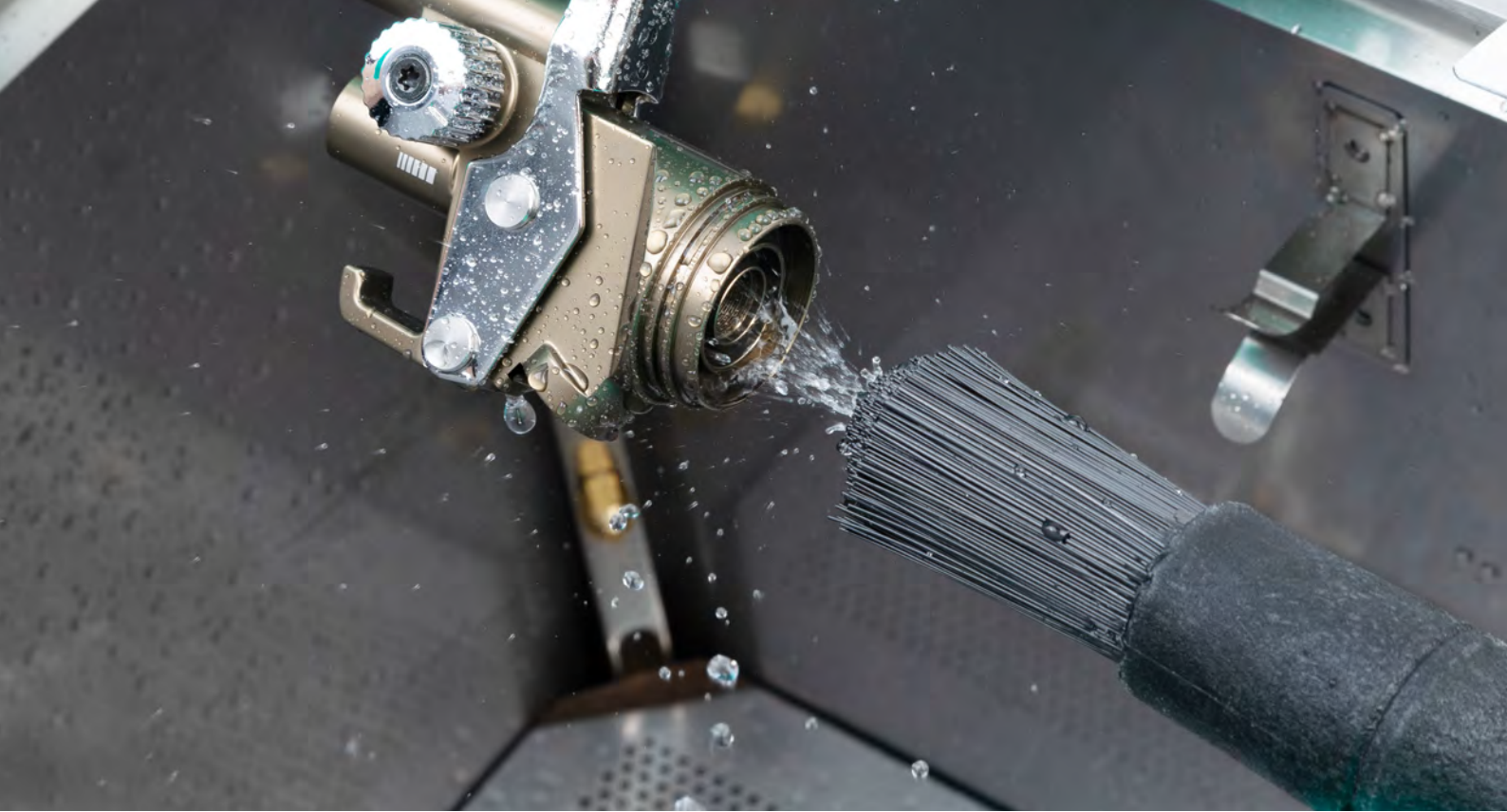


- Dimensions: (W x H x D) 185 x 465 x 205 mm
- Empty weight: 4 kg
- Inlet pressure: 4.0 bar
- Air consumption: 135 NI/min per cleaning incl. drying
- Air connection: 1/4" external thread
- Detergent container: 2 containers
- Duration of cleaning: approx. 25 sec.
- Rinsing quantity per cleaning process: approx. 140 ml
- Cleaning agent type: Water, solvent or combination cleaner
- External pick-up and recirculation of cleaning agent for bulk containers
- Manual cleaning, integrated drying, air purge system
- 1 cleaning/drying chambers
- Suitable for mixing room / ante-room

SATA multi clean 2

Efficient.
Powerful.
Simple.





Paint spray guns should be thoroughly cleaned at least once a day and rinsed after each painting job. This can be done gently, conveniently and economically with the SATA multi clean 2 – the powerful automatic washing machine with hand washing place and extraction unit.

With closed washers, it is important to always pay attention to the correct position of the spray gun in the wash chamber. The cleaning agent must not be allowed to get into the spray gun's air ducts, as any deposits that form will impair the spray gun's functionality.

- Automatic and environmentally friendly cleaning (approx. 3 min.) in an enclosed system
- Suitable for solvent-based and waterborne cleaning solutions or combination cleaning solutions
- Brush soaked in cleaning agent for manual cleaning
- Low-pressure air connection to prevent cleaning solution from penetrating the air passages of the spray gun during the cleaning and rinsing process.
- Powerful, pneumatically operated double diaphragm pump – robust and low-wear
- Two separate storage containers for the cleaning and rinsing cycle
- Only 0.2 l of fresh cleaning solution needed for each cleaning cycle – fresh cleaning solution is only required for the rinsing process
- A replaceable filter mat will retain coarse cleaning residues
- Automatic fume extraction system protects the painter from harmful vapours whilst the lid of the cleaning chamber is open
- Thorough and gentle cleaning of spray gun, cup and lid

BENEFITS

- Closed system
 - Little cleaning agent consumption
 - A free-blowing device protects air ducts against liquid penetration
 - Automatic extraction protects against harmful vapours
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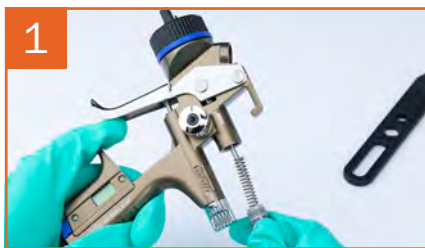


INFO
www.sata.com/multiclean2

Cleaning

Manual cleaning of spray guns

DISASSEMBLY OF NOZZLE SET



Removing the paint needle

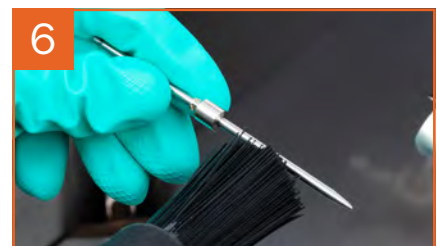
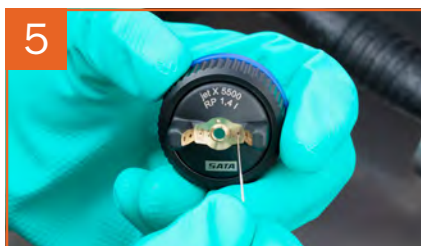


Remove air cap



Unscrewing the fluid tip with the ring spanner integrated in the universal spanner.

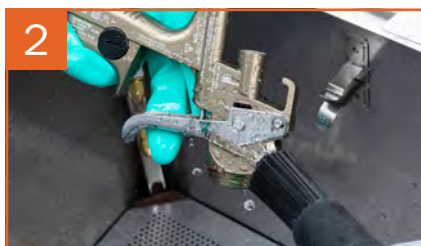
CLEANING OF THE NOZZLE SET



CLEANING AND DRYING



Clean the material passage



Clean the spray gun body



Dry with blow gun

ASSEMBLY OF THE NOZZLE SET



1 Assembly of the fluid tip



2 Hand-tighten fluid tip with universal spanner



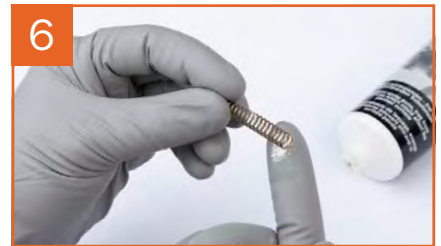
3 Assembly of the air cap



4 Lubricate* paint needle around the needle packing area



5 Assembly of the paint needle



6 Lubricate* and insert paint needle spring



7 Lubricate* thread of material flow control screw



8 Install material flow control screw



9 Lubricate visible area of air piston rod

When cleaning by hand, make sure that any brushes or paintbrushes used are free of metal wires that could potentially damage the spray gun. Ideally, brushes, specially manufactured SATA cleaning brushes and SATA nozzle cleaning needles should be used to ensure optimum care and cleaning of the nozzle set. Also, no cleaning agent is allowed to get into the air ducts of the gun body.

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