

The Complete Product Line for Woodfinishing
and Decorative Painting



German Engineering

Spray Guns | Cup Systems | Breathing Protection | Air Filtration | Accessories



Perfect Finishes

Only the Best for Professional Wood-finishing and Decorative Painting

Wood is a precious raw material allowing skilled carpenters and woodfinishers to produce unique high-quality products to suit any lifestyle. Enhanced by a perfect finish, they then become the centre of attention. Whether you wish to apply **single stage materials, clear coats, stains or glazes**, SATA offer the fitting solution.

High quality, state-of-the-art spray guns are of vital importance for a secure work process. At the same time, it also must be ensured that **technically clean compressed air** is available to achieve the expected high-quality finishes. Effective **health protection** to preserve the physical capacity of the staff on the shop floor is another important element.

For all of these areas, SATA offer product solutions designed to meet the daily requirements in a bodyshop.

This brochure gives you an overview on the large SATA product programme.





FOR MORE INFORMATION:

- Allround spray gun: SATAjet 1000 B Lignum (page 4 – 5)
- Topcoat spray guns (page 6 – 7)
- Special solutions (page 8 – 9)
- RPS disposable cups (pages 10 – 11)
- SATA air vision 5000 (page 12 – 13)
- Filter regulators and breathing protection (page 14 – 15)
- Cleaning systems (page 16 – 17)
- Accessories (page 18 – 19)

SATAjet 1000 B LIGNUM – the allround spray gun

The SATAjet 1000 B LIGNUM 2 is a must for every carpenter. Due to its comprehensive range of available nozzle sizes and its versatile selection of accessories, such as pressurised and agitator cups (see page 8), a host of many different spray media can be perfectly applied: from low-viscosity wood stains and clearcoats to glues and other thixotropic materials. With extensions available in various executions, even areas of difficult access can be easily coated.



PRODUCT BENEFITS

Perfectly suitable for typical applications in the woodfinishing industry – in special wood optics.

- Robust spray gun with anodised spray gun body, lightweight and optimised ergonomics
- Standard version with swivel joint
- Fully equipped with round/flat fan control and material flow control as well as air micrometer
- Low cleaning and maintenance effort
- Special air passages on the air cap horns prevent material accumulations caused by overspray
- Large and smooth material passages for improved material flow – makes the paint job safe and minimises cleaning efforts
- Extensions for SATAjet 1000 B RP upon request

Various practical characteristics:
(for explanations see fold-out page)





SATAjet® 1000 B HVLP LIGNUM 2

SATAjet® 1000 B RP® LIGNUM 2

Note: The model SATAjet 1000 B LIGNUM is technically identical to the SATAjet 1000 B. The sophisticated refining process of the spray gun surface may entail slight colour shade differences. Colour changes, e.g. by the influence of light, are also possible.

Top coat spray guns for perfect high gloss finishes

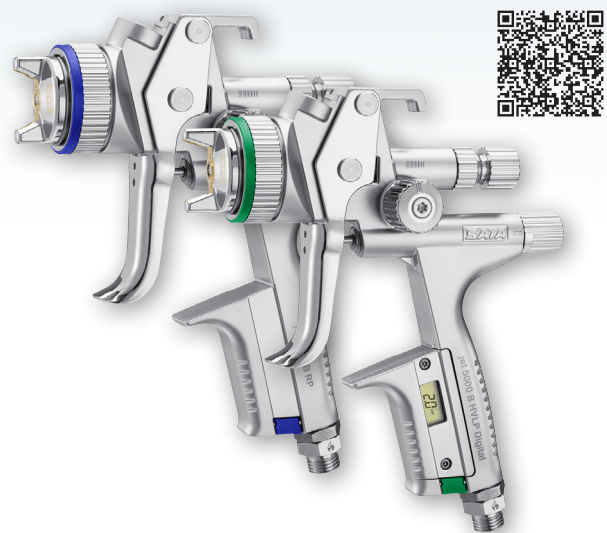
Carpenters and woodfinishers achieve high gloss surfaces with SATA high performance spray guns. **Their nozzle sets have been designed to allow perfect application of modern stains, glazes, single-stage materials and clearcoats.** Due to a special SATA "Tuning" during the final inspection, they meet highest demands in terms of **colour match, brilliance, colour effects, material distribution** and **gloss level.**

- SATA high performance spray guns are made of forged aluminium and finished with a high-quality chrome plating
- With their fluid tips and paint needles being made of stainless steel, they can be used for the application of both solvent-based and waterborne paints
- Round/flat fan control and air micrometer are standard features.
- The gun handle as well as all control elements are ergonomically formed for perfect gun control
- Robust in their design, SATA spray guns are low in weight
- The spray guns are easy to clean and maintain, due to self-adjusting seals, paint needles protected from paint mist, sturdy air cap threads and short material passages
- The inlet pressure can be precisely adjusted and controlled either with an integrated or a retrofit electronic pressure gauge

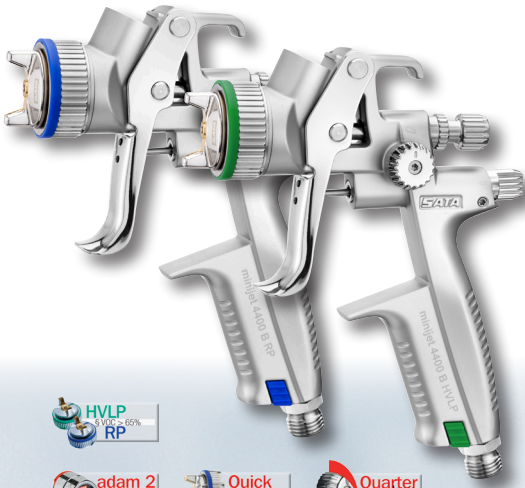
SATAjet® 5000 B

Unlimited versatility

- Optimised nozzle concept for highest possible versatility
- Ergonomically formed gun handle
- Pearlodised™ is a technical enhancement of the "pearl-chrome" surface to improve corrosion resistance as well as cleaning and maintenance
- Easy to operate control elements
- Safely positioned trigger sleeve – for easy, safe and quick insertion of the paint needle
- Swivel joint with new high performance seal
- Identical, compact gun handle shape for both Non-Digital and Digital models
- Optimised round / flat fan control with half a turn only



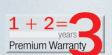
SATAmijnjet® 4400 B



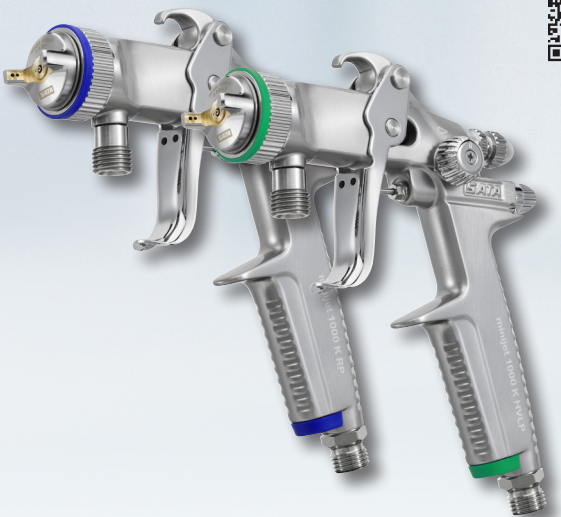
Brilliance in Miniature

Compact, lightweight gravity flow cup spray gun for small surfaces and areas of difficult access as well as for custom work.

- Easy to clean, corrosion-resistant pearlodised™ surface
- Special "SR" nozzle sets for Spot Repair
- Large QCC cup connection for all cup sizes
- Air consumption: RP: 200 NI/min at 2.5 bar; HVLP: 120 NI/min at 2 bar



SATAmijnjet® 1000 K



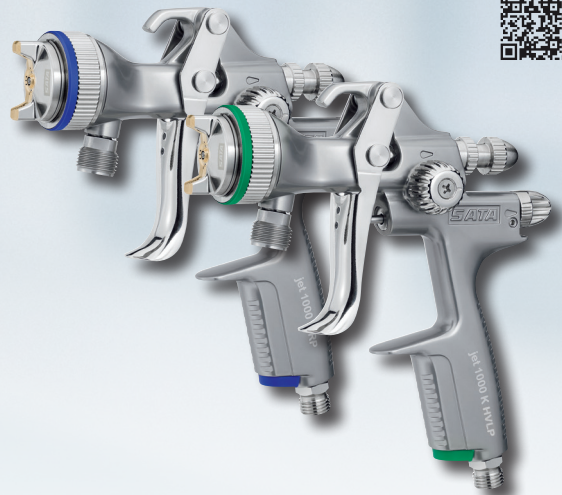
The "compact" industrial gun

Ideal for painting recessed grips, small panels or inside of corpora.

- Special spray gun for areas of difficult access, such as drawers, or when painting in overhead positions
- Sturdy, easy-to-clean anodised surface



SATAjet® 1000 K



The lightweight universal pressure-fed gun for large surface applications

- Allows connection to all sorts of material supply systems, such as pressure pots, double diaphragm pumps and central paint supply systems
- Suitable for the application of various materials – waterborne or solvent-based
- Sturdy, easy clean surface
- Special air flow at the air cap horns reduces overspray settling at the air cap
- **Optional: fluid tip and paint needle with lifetime prolonging surface**



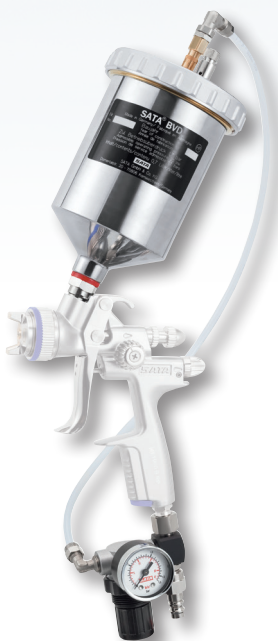
Special spray guns & additional "Allrounder"



SATA® spray master RP®



- Combines trendsetting, low overspray high pressure technology with the advantageous features of a pressure-assisted spray gun
- Allows the application of almost all paint systems with various viscosities up to thick-film glaze – with perfect finish results.
- Little masking efforts and low air consumption



SATA® BVD™



- 0.7 l QCC pressurized cup to retrofit your spray guns
- For the application of high viscosity materials
- Max. material pressure: 1.7 bar

SATA® agitator cup (RWB)

- Pneumatically operated, adjustable mixing of materials that tend to settle, such as emulsions or paints / colours with metallic or mineral components.
- Suitable for all SATA spray guns with QCC cup connection
- Size: 0.7 l





SATAjet® 4800 K spray mix®, SATA® modulus™ *



SATAjet 4800 K spray mix – for efficient application with low overspray

- Perfectly suitable for waterborne and solvent-based paints and coating materials
- Air and material swivel joints (with ball bearing) for optimum operation
- Material supply can be quickly exchanged due to component assembly

SATA modulus piston pump system – As individual as its tasks

- Modular piston pump system – consisting of the following individual modules: pump, air, material, filter, carrier and extension
- Adapts easily to changing tasks

* Until further notice: Distribution exclusively in Germany and Austria

SATAjet® 1000 H RP®

- Spray gun with 1.0 l suction cup
- High work speed and surface efficiency due to optimized high pressure technology



SATAmiJet® 4400 B Design-Set

- Perfectly suitable for graphic designs, automotive custom painting, artwork and calligraphy as well as spot repair
- In addition to the SATAmiJet 4400 B 1.0, the fully equipped SATA design set also contains all necessary accessories

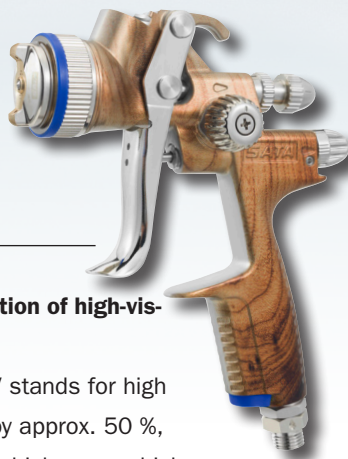


SATAjet® 1000 B RP®

With HV nozzles for the application of high-viscosity materials

The horns of the HV nozzles (HV stands for high viscosity) which are shortened by approx. 50 %, clogging caused by material with high or very high viscosity is almost excluded. Thus, they require only little cleaning and maintenance efforts.

HV nozzles are available in the nozzle sizes 2.5 HV and 3.0 HV für the SATAjet 1000 B RP and SATAjet 1000 B RP LIGNUM 2.



SATAjet® 20 B Design-Set

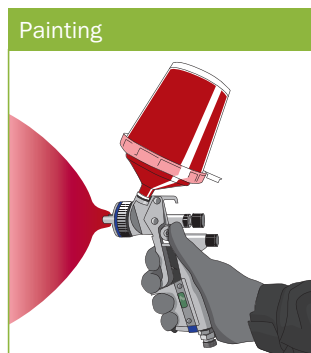
- Airbrush gun with round spray nozzle, ergonomically shaped like a regular spray gun for fatigue-free work
- Durable and low maintenance
- In addition to the SATAjet 20 B 0.5, the SATA design set also contains all necessary accessories



SATA® RPS® – The Original.

The safe, refillable cup system for professionals: easy, perfect and without compromise

SATA RPS (Rapid Preparation System) is the ideal cup system for shops focusing on perfect finishes and high profitability. It makes a painter's life much easier, considerably increases productivity and drastically reduces the consumption of cleaning solutions and solvents.





SATA® RPS dispenser®

Also available as UV version



With SATA RPS, you optimize your complete painting process – without having to accept compromises with regard to achievable finishes. Thus, you work profitably and save money with every single paint job.

CHARACTERISTICS

- Easy to use – only 3 parts
- Constant material flow – helps the painter to achieve perfect coating results just like child's play
- Allows very quick colour changes – cleaning becomes a secondary issue
- The special lid shape ensures complete consumption of the paint contained in the cup
- Large number of mixing ratios (up to 100 variations)
- Fits directly on all SATA spray guns – no adapters required
- Stable cup ensures safe storage of leftover material

- Reduces cleaning effort and solvent consumption
- Available in the 3 cup sizes 0.3 l, 0.6 l and 0.9 l
- Different strainer types available

For selecting the correct sieve fineness, please ask your paint manufacturer.

Available in 3 different cup sizes

0.9 l



0.6 l



0.3 l



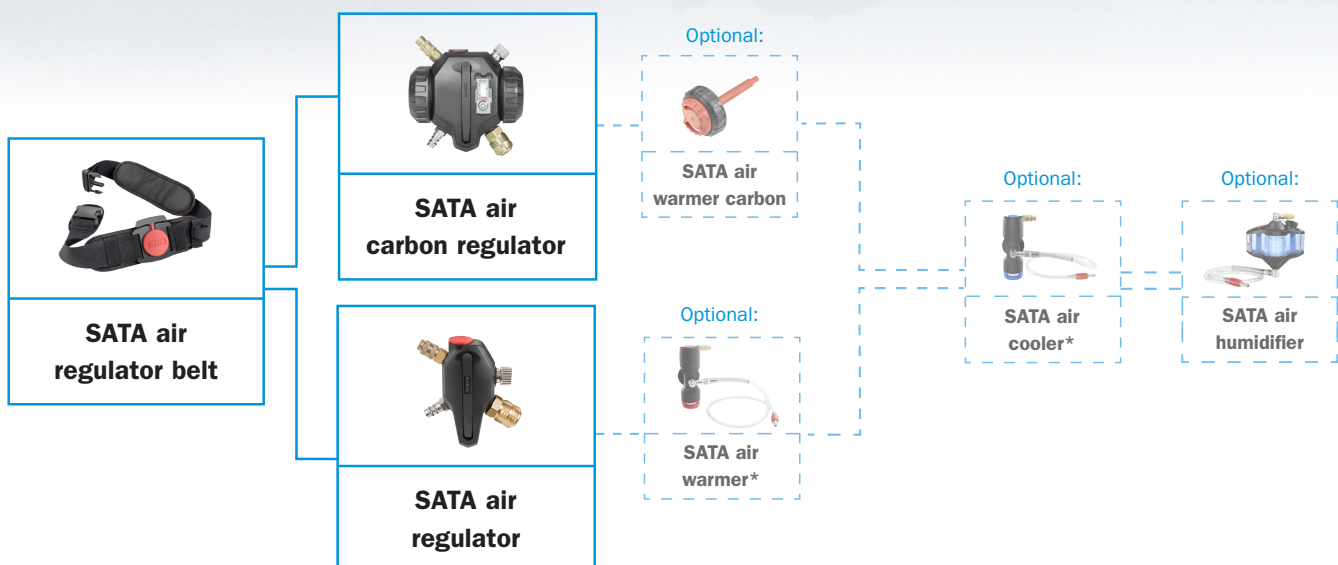
SATA® air vision 5000: Breathing Equipment to Protect Your Health

Your employees deserve **absolute** safety by means of **clean air supplied from outside the spray booth.**

The new SATA air vision 5000 puts the focus on effective health protection and lets you experience a whole new and comfortable way of breathing, due to a completely re-designed breathing air supply system. With its modern, ergonomic design, the hood can be adapted to fit almost any head shape, allowing the individual adjustment of its effective circumference, height and position.

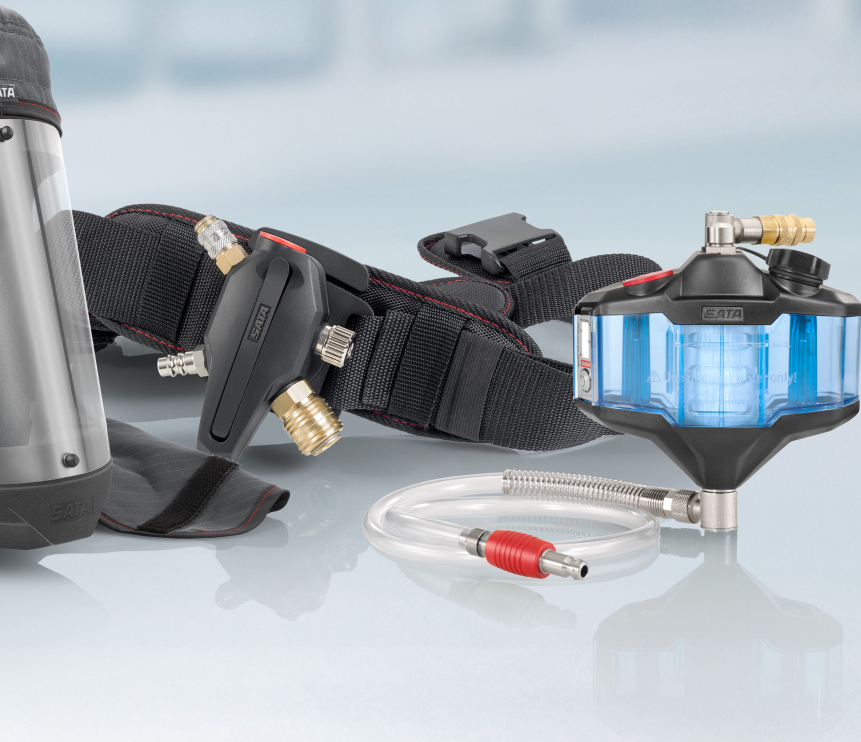


SATA air vision 5000 Structure



PRODUCT BENEFITS

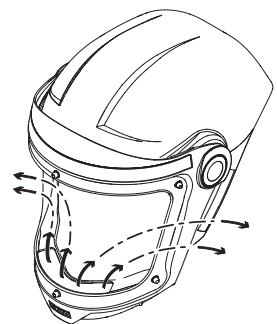
- High breathing air quality: The air supply independent of the ambient air eliminates all potential risks for the painter by contaminated spray booth air possibly arising from saturated filter cartridges
- No inhalation resistance, very comfortable breathing
- High protection level, suitable for long application intervals
- Protects up to 100 times the TRK-value*
- Visor allows one-hand operation
- Non-reflecting view due to solvent-resistant special foil
- Little operating costs, quick pay-off of purchase costs
- Ergonomic design with a host of options for individual adaptations
- Soft-stream flow-optimised air distribution in the hood
- Large field of vision: approx. 297 cm² at a maximum possible angle of 220°
- Low sound level: 64 dB (corresponds to a normal conversation at a distance of 1 metre)
- Rigid skull cover for safer work conditions
- Replaceable visor foils allow unchanging clear view onto the workplace
- The SATA CCS Disks (Color Code System) allow to personalise hood, SATA air regulator and SATA air carbon regulator
- To be used in conjunction with a filter unit, preferably SATA filter 484; air supply to be effected via special compressed air hose



**SATA air vision 5000
hood**



Increased air flow volume creates the required excess pressure inside the hood which prevents overspray intrusion



* TRK = Technical Reference Concentration (TRC)

Filter Regulators and Breathing Protection – for Perfect Finishes and Optimum Health Protection

Every bodyshop requires compressed air for many different applications, such as sanding, cleaning, painting and drying. According to the field of application, there are different requirements concerning air purification: In any case, SATA offer the appropriate filter solution.

SATA respirator systems, no matter if you use respirator hoods or half masks, convince by maximum protection, long lifetime and comfortable wearing features – to be for sure on the safe side.



SATA® air star® F

- Breathing protection mask depending on the ambient air, with replaceable filter cartridges
- Unrestricted mobility
- Small investment
- High wearer comfort, free vision (goggles required)
- Easy handling and safe seat
- Pre-filters to extend the lifetime
- Relatively low inhalation resistance
- 4 pointed straps for easy handling and safe seat



SATA® air star® C

- Supply of clean breathing air independent from the ambient air – also outside the spray booth
- Free vision (protective goggles required)
- High breathing air quality due to air supply independent of the ambient air, no inhalation resistance, no accumulation of heat and humidity inside the mask
- Protects up to 100 times the TRK-value*
- Excellent fit for any type of facial contours
- Very light and comfortable
- 4 pointed straps for easy handling and safe seat
- To be used in conjunction with a filter unit, preferably SATA filter 484; air supply to be effected via special compressed air hose



SATA filter 400 series

The filter series for the spray booth

The SATA filter 444 is recommended with solvent-based paint. To achieve highest safety with breathing protection systems and for the application of waterborne paints, a SATA filter 484 is essential to remove harmful oil vapours by means of the activated charcoal filter stage.

- Maximum protection for the painter
- Prevents expensive coating flaws reliably
- User-friendly and easy to maintain
- Quick and easy installation
- Economical and efficient
- Extremely high air flow (approx. 3,600 NI/min at 6 bar)
- Robust, durable filter canisters
- SATA filter timer for observing the filter cartridge replacement intervals. Attention: In case of a particu-

larly high concentration of harmful substances in the compressed air, filter cartridge replacement may be required at an earlier time than indicated.

- Suitability of the triple-stage filter (SATA filter 484) for applying waterborne paints and for breathing



SATA filter 100 prep series

The filter series for the prep area

SATA filters 100 and 103 prep are low-maintenance compressed air filters for the prep area: Less coating flaws, less rework.

- Especially for air purification of the prep area
- High and safe separation efficiency (automatic condensate drain valve)
- Pressure regulation valve with pressure gauge
- Easy assembly, sturdy and low maintenance
- Attention: In case of a particularly high concentration of harmful substances in the compressed air, filter cartridge replacement may be required at an earlier time than indicated.



Cleaning systems for spray guns

Spray gun cleaning is an important but understandably less popular task amongst painters. SATA cleaning devices reliably help achieve proper spray gun cleaning, thus relieving the painter. **They not only maintain proper function of the spray gun, but also increase the process security in the bodyshops.**



Intermediate Cleaning with SATA® clean RCS®

1. Flushing and cleaning of material passages and air cap (Ø approx. 20 sec.)



2. Dry-blowing (Ø approx. 5 sec.)



3. Colour change



SATA® clean RCS®

The turbo cleaner

- For bodyshops with high output and many colour changes.
- Rapid and safe colour change when using disposable cups, such as SATA RPS
- 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 the bodyshop's productivity



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 compact version is also available as space-saving option with a one-chamber-system.

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



SATA® multi clean™ 2

Cleaning device with built-in exhaust unit

- Thorough and gentle cleaning of spray gun, cup and lid
- Low cleaning fluid consumption
- Closed, environmentally friendly system
- Brush soaked in cleaning agent for manual cleaning

Everything for the Modern Bodyshop and Workshop

Every bodyshop should be equipped with robust grit blasting guns, spray guns for underbody protection and cavity preservation materials as well as complementing innovative accessories to improve daily work processes.



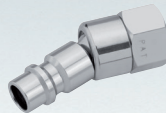
SATA® PHR
Hand agitator for stirring paints and other sprayable media.
Art. No. 16477



SATA material coupling
with plug-in nipple; G 3/8" (female thread)
For quick spray gun connection and disconnection.
Art. No. 91140
Art. No. 91157 (with 60 msh sieve)



SATA® UBE™
Efficient suction cup gun to apply underbody and stoneguard underbody compound out of disposable cans.
Art. No. 12740



Flexible connection nipple G 1/4
Art. No. 99895
Quick coupling nipple
Pack of 5 units (without illustration)
Art. No. 6981



Paint strainers 300 μ
Pack of 10 units for SATA spray guns except for SATAMinijet 3000 B.
Art. No. 3988



SATA blow gun
Blow gun with multi nozzle for high efficiency at little air consumption.
Art. No. 15214



SATA viscosity cup
Tolerance for flow time:
< 1.5 sec.: Art. No. 9852
< 1 sec.: Art. No. 9845



Material tube
for SATAjet 1000 K and 3000 K
Art. No. 92031



SATA® protect™

Goggles for optimum eye protection and dazzle-free view with all paint jobs.
Art. No. 97485



High-quality air hose for connecting spray guns and breathing protection systems

9 mm inner diameter, 10 m long, with quick coupling and nipple, antistatic, conductive, free of substances causing coating flaws, 20 bar pressure-resistant, high bursting safety.
Art. No. 53090



SATA® air tester™

For the quick and reliable test of the atomisation air in terms of substances causing coating flaws.
Art. No. 156299



SATA® cert

Reveal problems before they occur – with the regular control of the spray pattern.
Art. No. 161596



SATA® care set™

Bag with useful utensils for spray gun cleaning and maintenance. Framed in red colour: Not included in delivery.
Art. No. 162628



SATA® High Performance Grease

Silicone and acid-free. 100 g for spray guns.
Art. No. 48173



SATA dock

Adapter with 1/8" male thread to retrofit analogue manometers (e.g. SATA air micrometer 0-845, Art. No. 9860) to digital manometers SATA adam 2.
Art. No. 195925



Spray gun holder

For wall or table mounting. Useful tool for refilling SATA RPS disposable cups.
Art. No. 40188



SATA® Universal spray gun and gun hose holder

Art. No. 192195



Spray gun holder

For wall mounting.
Art. No. 9886

SATA® adam



SATA adam 2 U

Air micrometer G 1/4" female thread and 1/4" male thread with SATA adam 2 display for SATA dry jet and competitor spray guns
Art. No. 195214

SATA® adam 2™ / adam 2 mini™

Turns a non-digital spray gun into a "DIGITAL" - for retro-fitting SATA spray guns without integrated digital pressure gauge. Ensures correct setting and display of the gun inlet pressure for highest colour match precision



SATA adam 2

For SATAjet spray guns except SATAjet 5000 B
Art. No. 160846



SATA adam 2 mini

For SATAminijet® 4400 B/3000 B and 1000 H/K
Art. No. 160879



SATA adam 2

Only for SATAjet 5000 B
Art. No. 211540

Spray Guns

Characteristics – Meaning of symbols



VOC-compliant atomisation technology – optionally available as HVLV low pressure or RP optimised high pressure technology



Optional: With built-in electronic inlet pressure measurement



Innovative and versatile digital retrofit air micrometer



Switching back and forth from round to flat spray fan with a quarter turn only



Perfectly suitable for the use of RPS disposable cups



Cup connection for quick and clean cup changes as well as easy cleaning



Quick air cap change with one turn only

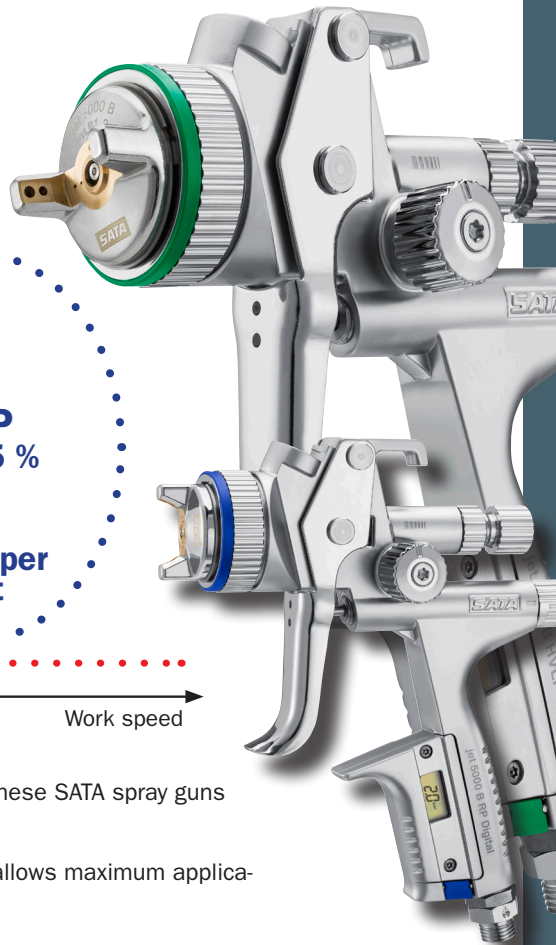
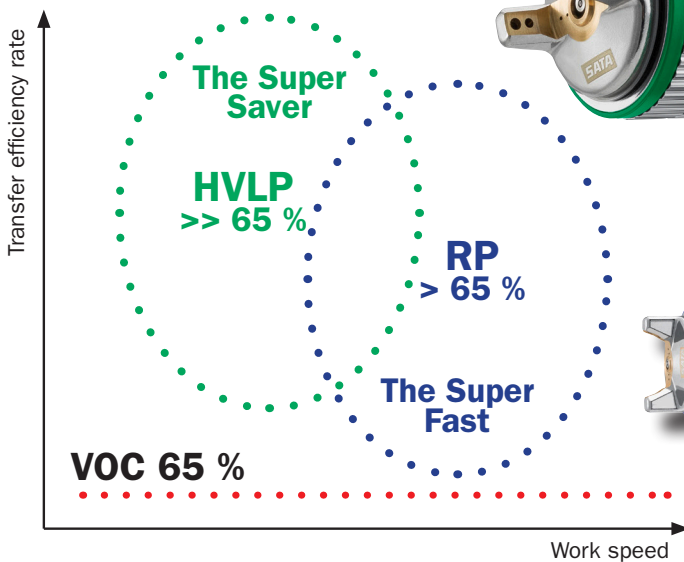


For the convenient identification of your spray gun



Top quality is not enough – we guarantee it: for three years

HVLV and RP



HVLV: Due to their low pressure technology, these SATA spray guns achieve extremely high transfer rates.

RP: The optimised high pressure technology allows maximum application speed.

The Spray Guns for Carpenters and Decorative Painters

Further important factors for choosing the right spray gun are the work methods of the painter, the object to be painted, the paint system being used and the air volume provided by the compressor.

Material and application	SATAjet® 5000 B		SATAjet® 1000 B / LIGNUM 2® *		SATAjet® 100 B P®
	HVLP	RP®	HVLP	RP®	
Clearcoats	★★★ 1,0 - 1,7	★★★ 1,0 - 1,6	★★★ 1,4 - 1,7	★★ 1,0 - 1,6	
Effect paints	★★★ 1,0 - 1,7	★★★ 1,0 - 1,6	★★★ 1,4 - 1,7	★★ 1,0 - 1,6	
Single stage materials	★★★ 1,0 - 1,7	★★★ 1,0 - 1,6	★★★ 1,4 - 1,7	★★ 1,0 - 1,6	
Primer materials	★★★ 1,9 2,2	★★★ 1,6 - 2,5	★★★ 1,7 - 2,1	★★ 1,6 - 2,5	★ P
Antifouling	★★ 1,4 - 1,9	★★★ 1,3 - 1,8	★★★ 1,7 1,9	★★ 1,3 - 1,8	
High-viscosity materials (e.g. thick-film glazes)	★★ 1,9 2,2	★★★ 1,6 - 2,5	★★★ 1,7 - 2,1	★★ 1,6 - 2,5 ★★★ 1,6 1,8 2,0 (mit BVD)	★★★ P
Clearcoats for wood (living area)	★★★ 1,0 - 1,7	★★★ 1,0 - 1,6	★★★ 1,4 - 1,7	★★ 1,0 - 1,6	
Glazes (interior fittings)	★★★ 1,0 - 1,3	★★★ 1,2 1,3	★★★ 1,4	★★★ 1,0 - 1,3	
Floor coatings (e.g. non-slip coatings)					★★ P
Contact adhesives				★★★ 1,6 Drall/OS	

Material and application	SATA® spray master™**	SATAmijet® 4400® B		SATAmijet® 1000 K***	
	RP®	HVLP	RP®	HVLP	RP®
Clearcoats			★★ 1,2 - 1,6	★★★ 1,0 - 1,2	★★★ 1,1 - 1,3
Effect paints		★★★ 1,0 - 1,4	★★ 0,8 - 1,4		★★★ 1,1 - 1,3
Single stage materials			★★ 1,6	★★★ 1,0 1,2	★★★ 1,1 - 1,3
Primer materials	★★★ SM (1,7)	★★★ 1,1	★★★ 1,6	★★★ 1,2 - 2,0	★★★ 1,3 - 2,0
Antifouling	★★★ SM (2,0)			★★ 1,0 1,2	★★★ 1,1 - 1,3
High-viscosity materials (e.g. thick-film glazes)	★★★ SM (1,7)		★★ 1,6	★★★ 1,2 - 2,0	★★★ 1,3 - 2,0
Clearcoats for wood (living area)			★★ 1,2 - 1,6	★★★ 1,2 - 1,6	★★★ 1,1 - 1,3
Glazes (interior fittings)		★★★ 0,8 - 1,1	★★ 1,4 ★★★ 0,5		
Floor coatings (e.g. non-slip coatings)	★★★ SM (1,7)				
Contact adhesives					

★★★ Perfectly suitable ★★ Well suited ★ Suitable

Note: Please observe the technical data sheets of the respective paint manufacturers!

* in combination with SATA® BVD™ or SATA® RWB

** in combination with SATA® BVD™

*** in combination with a paint pressure tank. Pressure fed spray guns are especially suitable for surfaces larger than 3 m².

SATA sets standards

... for spray guns, cup systems, breathing protection systems and compressed air filters.

Our close cooperation with painters in craft and industry as well as with the Research and Development divisions of the leading paint manufacturers enables us to create top quality products of ultimate value.

"SATA Quality" is a trusted term among painters. They know that SATA products are reliable, sturdy and ergonomic like a duck takes to water.

Together with our competent distribution partners both on the domestic market and abroad we ensure **highly performing after sales service.**

In Germany and numerous other countries all over the world, SATA is a **leading paint spray gun manufacturer.** Based on this success, we feel a strong obligation to maintain the high SATA quality standards required by our customers worldwide.



Your SATA dealer



SATA GmbH & Co. KG
Domertalstr. 20
70806 Kornwestheim
Germany
Tel. +49 7154 811-200
Fax +49 7154 811-194
E-Mail: export@sata.com
www.sata.com