The Complete Programme for Yacht and Boat Building

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

High-Class Finishes
Usually, yachts and small boats are built either made to order or in small series productions. Their surfaces, however, must meet a number of different requirements in terms of functionality and optics. Consequently, a host of materials is being applied during the manufacturing process. For each application requirement, SATA offer a suitable spray gun solution ensuring perfect finishes.

The underlying requirement for achieving high quality surfaces is the availability of technically clean compressed air. This can be realised with the installation of efficiently working SATA compressed air filters.

Effective health protection to preserve the physical capacity of the painter on the shop floor is another important element. Using SATA respirators is the best choice.
Spray Guns

SATA spray guns, whether hand-held or automatically controlled, not only meet the demand for premium quality finishes, they are also first choice in terms of reliability, durability and ergonomics. As a matter of fact, they exceed the transfer efficiency rates of 65% required by VOC legislation. Most spray guns are available in two versions:

- **HVLP**: Due to their low pressure technology, these SATA spray guns achieve extremely high transfer rates.
- **RP**: The optimised high pressure technology allows maximum work speed at VOC-compliant transfer rates and flexible handling.

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### Spray guns for yacht and boat building

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.

### Type of material and application (also see illustration on the left)

<table>
<thead>
<tr>
<th>Type of material and application</th>
<th>SATAjet® 4000 B / Lignum®</th>
<th>SATAjet® 1000 B</th>
<th>SATAminijet® 4400 B</th>
<th>SATA® spray master®</th>
<th>SATAjet® 3000 K**</th>
<th>SATAjet® 1000 K**</th>
<th>SATAjet® 3000 K spray mix™</th>
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<tbody>
<tr>
<td>Clear coats</td>
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</tbody>
</table>

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

* 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.

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Perfectly suitable

Well suited

Suitable

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3
Top coat spray guns for premium class high gloss finishes

SATA high performance spray guns meet highest demands in regard to colour match precision, effects, material distribution, gloss level and brilliance. Thus, they help achieve perfect finishes when applying modern clear coats, single stage materials and effect paints, as it is expected by demanding yacht and boat owners.

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® 4000 B – the Experience in Form and Function**

A real “must have” for every bodyshop with highest requirements in terms of a perfect finish.
- A uniform and perfectly shaped spray fan ensures brilliant finishes at rapid application speed.
- Due to its ergonomically formed gun handle, this extremely lightweight spray gun fits like a glove.
- Ergonomically shaped adjustment elements and the useful round/flat fan control allow safe and comfortable work.
- **Optional:** SATAjet 4000 B DIGITAL with integrated electronic inlet pressure adjustment
- Air consumption: RP: 285 Nl/min at 2.0 bar; HVLP: 430 Nl/min at 2.0 bar
- Art.No. upon request

Numerous useful features:

For more details see page 5 at the top.
Meaning of the Symbols:

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

**SATAminijet® 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 paintings.

- Both HVLP and RP versions are available
- Round/flat fan control for both right and left handed painters
- Large QCC cup connection for all cup sizes
- Air consumption: RP: 200 Nl/min at 2.5 bar; HVLP: 120 Nl/min at 2.0 bar

Art.No. upon request

**SATAjet® 3000 K – pressure fed spray gun**
Painting serial components and large surfaces requires this pressure fed spray gun.

- High surface efficiency due to material supply from pressure tanks or via double diaphragm pumps or colour change systems
- Wide, smooth and homogeneous spray fan for perfect finishes at high application speed
- Extremely robust gun model with axial round/flat spray control
- **Optional**: fluid tip and paint needle with lifetime prolonging surface
- Air consumption: RP: 430 Nl/min at 2.5 bar; HVLP: 560 Nl/min at 2.5 bar

Art.No. upon request

To choose the correct nozzle size, please contact your local SATA dealer or pay us a visit on our website www.sata.com
Precious wood varieties are the most used materials for the construction of the boat itself as well as for its interior fittings. Due to its comprehensive range of available nozzle sizes and its versatile selection of accessories, such as pressurised and agitator cup (see on the right), a host of many different spray media can be perfectly applied with the SATAjet 1000 B LIGNUM*: 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 reached.


*SATAjet® 1000 B LIGNUM – the allround spray gun
Perfectly suitable for almost all wood-coating applications – designed 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 efforts
- Special air passages on the air cap horns prevent material accumulation caused by overspray
- Wide and smooth material passages improve the material flow – reduces cleaning time and ensures perfect paint jobs
- Extensions for SATAjet 1000 B RP upon request
- Air consumption: RP: 275 Nl/min at 2.0 bar; HVLP: 350 Nl/min at 2.0 bar
Art.No. upon request
**SATAjet® 1000 K – for large surfaces**

When having to paint large surfaces, this pressure fed spray gun is the first choice.
- High surface efficiency due to material supply from pressure tanks
- Alternative material supply via double diaphragm pumps
- Smooth and homogeneous spray fan for perfect finishes
- Optional: fluid tip and paint needle with lifetime prolonging surface
- Extensions for SATAjet 1000 K RP upon request
- Air consumption: RP: 410 Nl/min at 2.5 bar; HVLP: 530 Nl/min at 2.5 bar

Art.No. upon request

**SATA® spray master RP®**

This gun combines modern low-overspray high pressure technology with the advantages of a pressurised spray gun. With this unique combination, almost any type of paint system of almost any viscosity and even thick film stains can be applied – with excellent results.

In most cases, the SM nozzle set is sufficient to apply a host of different materials. Little masking effort and low air consumption are the reasons why this “allrounder gun” has become a widely used spray equipment both in the paint shop and on the dry dock.

Air consumption: 230 Nl/min at 2.0 bar

Art.No. upon request

**SATA® BVD™**

0.7 l QCC pressurised cup to retrofit available spray guns. For the application of high-viscosity materials; max. material pressure: 1.7 bar.

Art. No. 25775

**SATA® agitator cup (RWB)**

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

Art. No. 29926

**SATAjet® 100 B P™ – for the application of sprayable putty, high-viscosity primers and thick-film glazes**

The compact spray fan achieves high layer thicknesses.

Art.No. upon request
SATA RPS – the cup system for professionals: simple, efficient, perfect

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.

Mixing paint
The paint is mixed in the cup which is later used for painting. Time-consuming preparation, such as sieving paint, additional mixing cups and sieves are no longer required. The workplace stays clean; the contact with the paint is reduced to a minimum.

Painting and refilling
The low weight – for example, a 0.6 l cup with lid weighs 50 g only – and a low center of gravity allow safe and fatigue-free work. Colour changes are effected rapidly: Only the short paint channel of the spray gun requires flushing. Upon request, the SATA RPS cup can also be refilled simply and in a cleanly manner.

Storing paint
During storage, the sturdy cup and the airtight closure prevent the paint from being affected. Further, the sturdy cup makes handling easier.

Convenient disposal after use
Cleaning the cup system is not necessary. This reduces non-productive times as well as cleaning agent and solvent consumption, helping save money and protect the environment. No special disposal system is required.

SATA RPS – Convincing Advantages

- Easy to use – only 3 parts
- Fits directly on all SATA spray guns – no adapters required
- Perfect finishes are easily achieved – even material flow
- Cleaning becomes almost irrelevant – allows quick colour changes
- Stable cup ensures safe storage of leftover material
- Pointed lids allow the complete and residue-free material application
- Reduces cleaning efforts and solvent consumption
- Available in the 3 cup sizes 0.3 l, 0.6 l and 0.9 l
- For selecting the correct sieve fineness, please ask your paint manufacturer.
The paint is mixed in the cup later used for painting.

Very easy
Handling is extremely easy as the system only consists of 3 components: cup, lid and sieve – with a fineness of 125 μ or 200 μ at your choice. Spare lids and spare sieves are available for all RPS cups.

No compromise
SATA RPS is the only cup system that fits on all modern SATA spray guns without cumbersome adapters. There are far less crevices in the material passage which could attract paint material possibly leading to coating flaws during subsequent paint jobs.

Perfect finishes
Continuous cup ventilation via the anti-drip device ensures consistent material flow permanently. An even material application and highest colour match precision reduce the danger of expensive rework.

Profitable
With SATA RPS, you optimise your complete painting process – without having to accept compromises with regard to the finish. Thus, you work profitably and save money.

Comparative calculation at:
www.sata.com/rps_calculator
Filter regulators and breathing protection – for perfect finishes and perfect health

Every craft shop painting yachts and boats requires compressed air for various purposes, 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® vision 2000™ – provides full health protection
Supplied-air respirator hood with very high wearer comfort and optimum hygiene. This respirator hood was especially designed to comply with painters’ requirements protecting the respiratory system, eyes, skin and hair. This is especially important with waterborne paints.

- High breathing air quality due to air supply independent of ambient air
- No inhalation resistance, high breathing comfort
- High protection level
- Visor allows one-hand operation
- Non-reflecting view due to solvent-resistant special foil
- Little operating costs, quick pay-off of purchase costs
- Air consumption: 170 Nl/min at 4 bar
Art.No. upon request
SATA® air star C™ – the half mask independent from the ambient air
Skin-friendly mask made of TPE* with anatomically shaped sealing frame, solvent-resistant.
- Safe seat, free field of vision (protective goggles – Art. No. 97485 – required, not included in delivery)
- No accumulation of heat and humidity inside the mask
- Air consumption: 150 Nl/min at 4 bar
Art.No. upon request
- Thermoplastic elastomer

SATA® filter 103 prep™ and 100 prep
The SATA filters 103 prep and 100 prep are a cost-effective solution for yacht and boat builders. They are suitable for the use with little air requirement but only for limited use to supply respirators.
- Air flow: 800 Nl/min at 6 bar
- Max. ambient temperature: 50°C

SATA® filter 103 prep™
Triple-stage filter (with activated charcoal) – for the application of waterborne primer materials
Art. No. 157420

SATA® filter 100 prep™
Double-stage filter (without activated charcoal) – for the application of solvent-based primer materials
Art. No. 148247

For more information: www.sata.com/filter

SATA® filter 444™
Double-stage filter (without activated charcoal) – suitable for the application of VOC-compliant solvent-based paints.
Art. No. 92296

SATA® filter 484™
Triple-stage combi filter (with activated charcoal) – suitable for the application of VOC-compliant waterborne and solvent-based paints
Art. No. 92320

SATA® filter 400™ – for highest requirements
The SATA filter 400 series fulfills highest requirements for quality, performance and available air volume. Their modular construction allows to adapt them to the exact needs of each practical application. The combi units SATA filter 484 and 444 are standard equipment in spray booths, as they reliably prevent expensive rework.
- Air flow: 3,600 Nl/min at 6 bar
- Max. ambient temperature: 120° C or 60° C, resp., when using activated charcoal
- Large pressure regulator for precise adjustment of operating pressure
- Differential pressure display due to double gauge to check the fine filter saturation level
- Two air outlet taps
- Single modules suitable for pipeline installation

SATA® air star F™ – the useful filter mask
Due to the double filter system A2:P3 R D (highest protection level), the filter mask provides perfect protection against dust, dirt and organic solvent vapours – up to thirty times the TLV with short paint jobs.
- Mobile use, easy handling
- Small investment
- Perfect wearing comfort, free field of vision (goggles – Art. No. 97485 – required, not included in delivery)
- Pre-filter extends filter lifetime
Art.No. upon request
* TRK = Technical Reference Concentration (TRC)
Material feed systems for an optimised painting process

For the application of larger amounts of paint, the SATA material supply systems in combination with pressure fed SATA spray guns are the perfect equipment. The universally applicable systems feature easy handling, sturdy construction, long lifetime and little maintenance.

**SATA® mini set 2™ – for mobile use**
Paint pressure tank with 2 l filling volume to paint areas of difficult access on and especially under the boat.
- Handy, can be used anywhere
- Closed system
- Almost no wear-and-tear, little maintenance
- Easy to clean
- **Optional:** Shoulder strap
- Also available as complete kit in combination with the high performance top coat spray gun SATAjet 3000 K

Art.No. upon request

**SATA paint set 10, SATA FDG 24 N and FDG 48 N**
Especially sturdy paint pressure tank with a filling volume of 10, 24 or 48 l, resp.
- Container and all material passages are made of stainless steel
- The seals between lid and container are highly resistant and durable.
- FDG 24N and 48N: Stainless steel lid with filler neck, paint set 10: lid with Rilsan coating
- **Optional:** Double pressure reducer, pot insert, agitators, second spray gun connection
- **Optional** for FDG 24N and 48N: Trolley, material outlet on the bottom of the tank, pressure plate

Art.No. upon request
Cleaning systems for spray guns

Spray gun cleaning is a less popular task amongst painters. SATA cleaning devices reliably help achieve correct gun cleaning which is of vital importance not only in order to maintain proper function of the spray gun, but also to increase the process security in the bodyshop.

**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
- Optional: Hose for extracting solvent vapours
Art. No. 145581

**SATA® vario top spray™ – the double diaphragm pump**
Powerful pump in the ratio 1:1 to apply large amounts of material. Ideal for high gloss paints, single-stage and clearcoats, stains and effect paints.
- Material can be applied directly out of the original container – no decanting or ventilation required like with pressure tanks; easy refill
- Aluminium and stainless steel version
- Sturdy, low wear and low maintenance
- Several versions for mobile and stationary use are available
Art.No. upon request

**SATA clean®RCS®compact™**
- To connect large cleaning agent containers
- Recommended for wall-mounting inside the mixing room, as there is no need for spray air supply
- Optional: Hose for extracting solvent vapours
Art. No. 192518

**SATA clean®RCS®micro**
The compact version is also available as space-saving option with a one-chamber-system.
Art. No. 202564

**SATA® multi clean™ 2**
Gun washer with integrated suction unit.
- Thorough and gentle cleaning of spray gun, cup and lid
- Little cleaning agent consumption
- Closed, environmentally friendly system
- Brush soaked in cleaning agent for manual cleaning
Art. No. 39257
Useful accessories for modern bodyshops

Every bodyshop should be equipped with innovative accessories to improve daily work processes.

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

- **SATA blow gun**
  - Blow spray gun with multi nozzle for high efficiency at little air consumption.
  - Art. No. 15214
  - Blow nozzle (without illustration)
  - Art. No. 133306

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

- **SATA® air tester™**
  - For the quick and reliable test of the atomization air regarding substances causing coating flaws.
  - Art. No. 156299

- **Flexible connection nipple G 1/4**
  - Art. No. 99895

- **Quick coupling nipple**
  - Pack of 5 units (without illustration)
  - Art. No. 6981

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

- **SATA® RPS® wall dispenser**
  - Basic kit for up to two cup sizes: Two aluminium brackets for wall mounting, each two tubes for cups and lids as well as two tubes for cup sieves
  - Art.no. 195784

- **SATA RPS rotawall adapter kit**
  - Version wall bracket with rotating spindle to mount the basic version and the extension kit*
  - Art. No. 196543

- **SATA RPS rotafloor adapter kit**
  - Workbench/floor version: Height-adjustable stand with floor plate and rotating spindle to mount the basic version* and the extension kit*
  - Art. No. 196550

* not included in scope of delivery

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

- **Blow nozzle (without illustration)**
  - Art. No. 133306

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  - Art. No. 196550

* not included in scope of delivery
- **SATA® adam 2™ / adam 2 mini™**
Für SATAjet-Lackierpistolen: Art. Nr. 160846
Für SATAminiJet® 4400 B/3000 B: Art. Nr. 160879
- **SATA adam 2 U**
Air micrometer G 1/4 with SATA adam 2 display for SATA dry jet and competitive spray guns
Art. No. 195214
- **SATA dock**
with 1/8 male thread to retrofit analogue pressure gauges e.g. in pneumatically operated units
Art. No. 195925
- **High quality air and material hoses**
To connect spray guns and material fed systems. Antistatic, conductive, free of substances causing coating flaws, 20 bar pressure-resistant, high breaking safety. Available on rolls, cut into lengths and/or mounted as hose pairs.
Art. No. upon request
- **Material tube**
for SATAtjet 1000 K and 3000 K
Art. No. 92031
- **SATA® cert**
Reveal problems before they occur – with the regular control of the spray pattern.
Art. No. 161596
- **SATA® dock**
with 1/8 male thread to retrofit analogue pressure gauges e.g. in pneumatically operated units
Art. No. 195925
- **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 strainer)
- **SATA® care set™**
Bag with useful utensils for spray gun cleaning and maintenance. Framed in red colour: Not included in delivery.
Art. No. 162628
- **Gun holder**
For wall or table mounting. Useful tool for refilling SATA RPS disposable cups.
Art. No. 40188
- **Triple spray gun holder**
For gravity flow cup spray guns for wall mounting.
Art. No. 134916
- **SATA® universal spray gun and hose holder**
For gravity and suction cups as well as for pressure fed spray guns.
Art. No. 192195
German Engineering – more than you expect

SATA spray guns are exclusively developed and manufactured in Germany. State-of-the-art, highly efficient production facilities incorporating latest technology trends ensure highest precision during the manufacturing process of SATA spray guns. The continuous further improvement of products as well as manufacturing processes are essential elements of the company philosophy.

**Quality Assurance:** SATA spray guns are developed and manufactured in Germany exclusively. Every single production step is subject to strict quality controls.

**Final assembly:** The high precision components are assembled with ultimate care.

**Hand adjustment:** Each nozzle set is separately manually "tuned" to optimise the spray fan.

**100% spray pattern check:** This results in a perfect spray pattern meeting highest quality expectations.