

SATA® paint pressure tanks



German Engineering

Spray Guns | Cup Systems | Breathing Protection | Air Filtration | [Accessories](#)



Quality for big tasks

# SATA paint pressure tanks – unlimited possibilities

The hard-wearing SATA paint pressure tanks are designed to apply larger amounts of material with pressure fed hand or automatic spray guns. Furthermore, the SATA paint pressure tanks are also used for the application of high-viscosity, slow moving or thixotropic materials (i. e. gel-like) materials. Due to the self contained, pressurised tank, the materials can continuously be applied over a longer period of time and without any pressure variations.

## ■ Fields of application

Characteristic materials which are applied with SATA paint pressure tanks are: paints, stains, dispersion paints, skims, preserving agents, glues, separating agents. SATA paint pressure tanks are also suitable for special applications in the industry when materials are added doses in a process.

The various tank sizes and versions cover a large field of applications in craft and industry.

## ■ Application systems

In combination with SATA spray guns, the SATA paint pressure tanks are a coordinated, efficient system – from one source.

## ■ Proven technology

SATA paint pressure tanks are equipped with hard-wearing components which keeps the operating costs low. The pressure tanks are sturdy and feature a long lifetime – an investments that pays off.

## Your benefits

- Time saving due to continuous working without interruptions
- Pulsation free, even material supply
- Also suitable for high viscosity, paste-like or thixotropic materials
- Various equipment and special versions
- Enhanced working opportunities due to large range of accessories



■ **SATA mini set™ 2 – for mobile use.**

In general, the handy 2 l paint pressure tank can be used anywhere. The aluminium tank is lightweight and perfectly suitable for mobile use. The shoulder strap (optional accessory) provides optimum mobility to the user – even at places of difficult access.

■ **Application system allowing immediate use**

- The SATA mini set 2 is also available as a complete spray unit in combination with the high performance spray gun, SATAjet 3000 K RP, hose pair and material pick-up tube with inline filter.
  - For foundries, forges, plastics processing and other industrial sectors, the SATA mini set 2 is available in combination with a special spray gun for the application of separating agents. With this **separating agent spray system**, even narrow and complex frames can be efficiently coated.
- The double pressure reducer used with this version allows the individual adjustment of material and spray pressure to ensure the highest possible process safety during the application of separating agent.



Mobile use of the SATA mini set 2 with shoulder strap for optimum user mobility.



## Scope of Delivery

<b>SATA mini set 2</b>
2 l paint pressure tank with screw-on lid and carrying handle
Air inlet with shut-off tap
Safety valve
Single pressure reducer with gauge (standard version)

Technical Data	
Air inlet and outlet	G ¼ male thread
Material outlet	G ¼ male thread
Maximum material pressure in the tank	2,5 bars (approx. 36 psi)
Weight	2.4 kg

## Versions and Article Numbers

Product	Features		Art. No.
			
SATA mini set 2	X		120840
<b>Application systems SATA mini set 2 with ...</b>			
SATAjet 3000 K RP, nozzle 1.1, hose pair 9x9 i.d., 1.5 m, material filter 60 msh	X		56408
SATAjet 3000 K HVLP 1.2, hose pair 9x9 inner diameter, 1.5 m, material filter 60 msh	X		83444
SATAmijet 1000 K RP 0.3, hose pair 3 m ( <b>SATA separating agent spraying system</b> )		X	187740

## Accessories

**Shoulder strap**

For comfortable and safe work.

Art. No. 5868

■ **The big ones for continuous operation.**

The paint pressure tanks SATA paint set 10, SATA FDG 24N and SATA FDG 48N are used for the application of large amounts of material. The tanks and all material passages are made of stainless steel. The lightweight pressure pot lid can be quickly removed allowing easy filling of material into the pot for rapid material changes without undue effort. Alternatively, there are easy to clean insert pots available to dispense the required material quantity directly into and then place in the tank itself.



High surface efficiency and efficient working with SATA paint pressure tanks.

With SATA FDG 24N and FDG 48N, the material can be refilled via filler neck. The sealings between lid and container are highly resistant and durable. The version with double pressure reducer allows the separate adjustment of material and atomisation pressure at the tank. Special agitators for the material homogenisation are available.

Trolleys and second spray gun connections are available for SATA paint pressure tanks FDG 24N and FDG 48N. Special versions with material outlet at the bottom side of the tank as well as pressure plate, i. e. for very thick materials are available upon request.



## Scope of Delivery

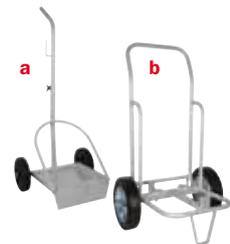
SATA paint set 10	SATA FDG 24N / SATA FDG 48N
Stainless steel 10 l tank	Stainless steel 24 l or 48 l tank, resp.
Lid with Rilsan coating	Stainless steel lid, with filler neck
Material passages made of stainless steel	
Air inlet with shut-off tap	
Safety valve	
Connection for a spray gun	Connection for one spray gun, <b>optionally:</b> second spray gun connection
Material outlet in the lid	Material outlet integrated in lid, <b>upon request:</b> Material outlet at bottom side of the tank and pressure plate

Technical Data	
Air inlet and outlet	G ¼ male thread
Material outlet	G ½ male thread
Maximum material pressure in the tank	SATA paint set 10: 3 bar SATA FDG 24N: 6 bar SATA FDG 48N: 4 bar
Total weight / Lid weight	SATA paint set 10: 8 kg/starting from 3.9 kg SATA FDG 24N: 24 kg/starting from 6.9 kg SATA FDG 48N: 31 kg/starting from 8.6 kg
Internal height / Inner diameter	SATA paint set 10: 268mm/ø 217mm SATA FDG 24N: 369mm/ø297mm SATA FDG 48N: 486mm/ø362mm

## Accessories

### SGE-trolley

- a** Art. No. 46037 (SATA FDG 24N)
- b** Art. No. 14332 (SATA FDG 48N)



### Hoses/Hose Pairs

Art. No. upon request



# Versions and Article Numbers

	Features							Art. No.
	 1	 2	 3	 4a	 4b	 5	 6	
	Single pressure reducer	Double pressure reducer	Pot insert	Pneumatic agitator without gear	Pneumatic agitator with gear	Electric Motor driven agitator	Hand agitator	
<b>SATA paint set 10 with ...</b> 	X							14662
	X		X				X	14654
		X						14647
		X	X				X	14639
<b>SATAjet 3000 K RP 1.1, material supply tube, material filter 60 msh, hose pair 9x9 mm, 6m length</b>		X						16782
<b>SATA FDG 24N* with ...</b> 	X							177725
	X						X	177733
	X			X				177741
	X				X			177758
	X					X		177766
		X						177774
		X					X	177782
		X		X				177790
		X			X			177808
		X				X		177816
<b>SATA FDG 48N* with ...</b> 	X							177824
	X						X	177832
	X			X				177840
	X				X			177857
	X					X		177865
		X						177873
		X					X	177881
		X		X				177899
		X			X			177907
		X				X		177915

\* Special versions with material outlet on the bottom of the tank as well as pressure plate are available upon request.

## Features

### 1 Single pressure reducer.

To adjust the material pressure for the supply of automatic spray guns.

### 2 Double pressure reducer.

To supply hand spray guns, material and atomisation pressure can be adjusted separately.

### 3 Pot insert.

Reduces contamination of the paint pressure tank. Made of stainless steel. Easy to clean.

Art. No. 47530 (SATA paint set 10)

Art. No. 31302 (SATA FDG 24N)

Art. No. 47639 (SATA FDG 48N)

**Agitators for materials which tend to settle, such as emulsions or paints with metallic or mineral components:**

### 4 Pneumatic agitator.

Even and continuous agitating. Idle speed up to 2,700 t/min. Agitator speed adjustable via compressed air.

**a** without gear

**b** with gear (ratio 1:25). Suitable for high-viscosity materials.

### 5 Motor driven agitator.

Even and continuous agitating with insufficient air supply. Suitable for 230 V or 400 V, 50 Hz alternating current (switchable). Explosion-protected. Idle speed 100 t/min. Agitator speed cannot be adjusted via current frequency.

### 6 Manual agitator.

For manual agitating, cost-effective, with insufficient air supply.

### 7 Second spray gun connection.

Material and air side. For the use of two spray guns simultaneously – saves time.

Please indicate respective article number when ordering the paint pressure tank (not suitable for retrofitting):

Art. No. 14373 (SATA paint set 10)

Art. No. 181990 (SATA FDG 24N)

Art. No. 177923 (SATA FDG 48N)



# SATA spray guns– perfect choice



The large range of SATA spray guns allows every user to find the suitable application device for each specific task.

			
	<b>SATAjet 3000 A / ROB / K</b>	<b>SATAjet 1000 A / K</b>	<b>SATAminijet 3000 A HVLP / SATAminijet 3000 B T HVLP</b>
<b>Spray gun type/description</b>	High-performance spray gun for perfect finishes due to finest atomisation; for hand and automatic versions	Universal spray gun for various fields of application; for hand and automatic versions	Automatic spray gun to paint small objects
<b>Extensions</b>	–	Upon request: <ul style="list-style-type: none"> <li>■ Round/flat spray control</li> <li>■ Diagonal spray fan pattern</li> <li>■ Plate-shaped internal mixing nozzle</li> <li>■ Angular head flat fan</li> </ul>	–
<b>Fluid tip and paint needle with life-time prolonging surface coating</b>	Upon application	Upon application	–
<b>Special versions</b>	–	Spray guns with nozzle set-ups, e.g. for the application of glues; additional special versions upon request	Special hand spray gun for economic application of separating agent, even on narrow and irregular objects

For more information and expert guidance in the selection of the most suitable spray gun, please contact your SATA dealer or pay us a visit on the internet at [www.sata.com](http://www.sata.com).

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](mailto:export@sata.com)  
[www.sata.com](http://www.sata.com)