

# Professional Breathing Protection Equipment



*German Engineering*

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



## Your Health is our Concern

# Breathing Equipment to Protect Your Health

SATA breathing protection equipment - whether it be full face respirator or half mask - provides maximum protection, enhanced lifetime and increased wearer comfort to preserve your health without restricting your mobility, thus ensuring perfect results.



Two basic types of breathing protection equipment are available: **independent** from or **dependent** on ambient air.

Breathing systems which are **independent from ambient air** provide clean breathing air via a compressed air hose from an area outside of the workplace. Usually, this air is additionally cleaned via a filter system.

With systems **independent of ambient air**, however, the air is supplied from the work environment and this air is contaminated with particles and vapours. The filters to clean the breathing air are integrated in the mask.

**Independent of ambient air**  
= pressure-fed devices



SATA vision 2000 – respiratory hood for full protection and long application intervals



SATA air star C – half mask for medium application intervals

**Depending on ambient air**  
= filter device



SATA air star F – filter half mask for short application intervals

## SATA® vision 2000™

This respirator hood was especially designed to comply with painters' requirements protecting the respiratory system, eyes, skin and hair from harmful substances (especially important with waterborne paints).

The respirator hood with silencer, hygienic hood inlay, replaceable sweatband and accousting warning system is available as complete kit containing a belt unit – optionally available with activated charcoal adsorber and air flow control and air volume indicator (Art. No. 69500) or a T-piece with regulator (Art. No. 154591).

## SATA® air star C™

This half mask provides maximum view and a far better breathing protection than any filter mask. The comfortable mask made of skin friendly TPE\* is suitable for almost all head sizes. It is also available in a kit – like the SATA vision 2000: Belt unit with activated charcoal adsorber (Art. No. 137554) or T-piece (Art. No. 137570).

Please ensure protection of eyes, skin and hair during painting.

\* Thermoplastic elastomer



### Product Benefits SATA vision 2000

- High breathing air quality due to air supply independent of ambient air, no inhalation resistance, high breathing comfort
- 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

### Limitation

- Stationary use restricting mobility

\*TRK = Technical Reference Concentration (TRC)

### Product Benefits SATA air star C

- 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

### Limitation

- Stationary use restricting mobility
- No inherent protection
- Not suitable for bearded persons

# Functional scheme of compressed

Compressed air-supplied respirator hood to combine with double-stage compressed air filters fixed to the wall, e.g. SATA filter 444 **without** integrated activated charcoal filter stage.








## Basic Version with Activated Charcoal Belt Unit

|  |   |       |
|--|---|-------|
| SATA vision 2000<br>Respirator hood with<br>breathing air hose |    | 69500 |
| Belt unit<br>with activated charcoal<br>adsorber               |   |       |
| Required Accessories   |   |       |
| Safety compressed air hose<br>crush and kink resistant,<br>6 m |  | 49080 |

## Optional Accessories for Breathing Protection with or without Activated Charcoal Belt Unit



## Optional Accessories

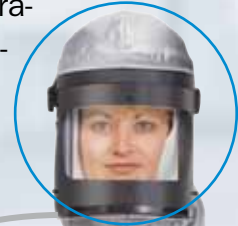
|  |   |
|--|---|
| SATA air warmer<br>Infinitely adjustable breathing air warmer<br>Art. No. 61242                      |  |
| SATA top air<br>Breathing air humidification for a comfortable breathing climate<br>Art. No. 89086   |  |
| Gun air hose<br>9 mm inner diameter, 1.2 m to connect a spray gun to the belt unit<br>Art. No. 13870 |  |
| Suspender<br>for SATA belt units<br>Art. No. 15412   |  |
| SATA wet & dry cleaner<br>for cleaning visor foils of respirator hoods<br>Art. No. 75358 (10x)       |  |



# Compressed air-supplied respirators

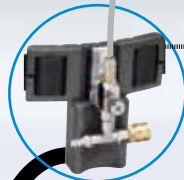


Compressed air-supplied respirator hood to combine with triple-stage compressed air filters, e.g. SATA filter 484 **with** integrated activated charcoal filter stage.





## Basic Version without Activated Charcoal Belt Unit



|  |   |        |
|--|---|--------|
| SATA vision 2000 hood with breathing air hose            |    | 154591 |
| Belt unit with T-piece                                   |   |        |
| Required Accessories                                     |   |        |
| Safety compressed air hose crush and kink resistant, 6 m |  | 49080  |




## Basic Version with Activated Charcoal Belt Unit

|   |   |        |
|---|---|--------|
| SATA air star C half mask with connecting hoses |  | 137554 |
| Belt unit with activated charcoal adsorber      |  |        |

## Basic Version without Activated Charcoal Belt Unit

|   |   |        |
|---|---|--------|
| SATA air star C half mask with connecting hoses |  | 137570 |
| Belt unit with T-piece                          |  |        |

|  |   |              |
|--|---|--------------|
| Required Accessories                                     |   |              |
| Safety compressed air hose crush and kink resistant, 6 m |  | 49080        |
| SATA protect safety goggles                              |  | 97485        |
| Optional Accessories                                     |   |              |
| SATA half mask cleaner wet cleaning cloths               |  | 134965 (10x) |

## SATA air star C half mask



# SATA® air star F™ – the comfortable filter half mask

This lightweight, comfortable filter half mask makes the painters completely mobile. At the same time, a powerful filter system provides perfect protection of the painters' respiratory system. This mask is especially used for prep work outside the spray booth or for smaller paint jobs. The SATA air star F is equipped with an anatomically shaped mask body made of skin friendly TPE\* and it fits to any face.

\* Thermoelastic Elastomer

## Unrestricted mobility

The double filter system ensures a very good weight distribution and a free vision. The special 4 pointed straps and the cuddly head fixation provide a safe seat of the mask at any time. During work breaks, it can be comfortably worn around the neck which makes it ready for use at any time.

## SATA air star F in hygiene storage box

The hygiene storage box for wall mounting is the perfect storage place for the SATA air star F.

It both protects the mask from damages and the special filters from untimely saturation due to air humidity.



## Product Benefits

- 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

## Limitation

- Filters depending on ambient air, exchange at least once a week, comparably high operating costs
- No inherent protection, for short application intervals only
- Not suitable for bearded persons
- Additional protection of eyes, skin and hair required

## Basic equipment

SATA air star F  
Filter half mask



134353  
(without  
goggles)

SATA air star F in  
hygiene storage box



134288



Optimum protection from paint particles and organic vapours from solvents.

## Powerful filter system



### Pre-filter **a**

- The low-priced pre-filter separates coarse particles, thus extending the lifetime of the special filter. Furthermore, the daily exchange of the pre-filter reduces the inhalation resistance.

### Special filter **A2:P3 R D** **b**

- The particle stage P3 is the highest possible stage with filter half masks, thus providing protection up to thirty times the TRK-value (AGW)\*. The SATA air star F standard is the protection level A2:P3 R D. Toxic and liquid particles are reliably separated and organic vapours of e.g. solvents with a boiling point > 65°C are ligated.

### Easy to operate

- Quick and easy filter exchange due to useful bayonet fixing.



| Fields of application | Gas and vapours  | Particles  |                                    |
|-----------------------|--|--|------------------------------------|
| Code Letter           | A  | P  |                                    |
| Code Colour           | brown  | white  |                                    |
| Filter stages         | A2   | P2   | P3 R D*                            |
| Protection against    | Organic gases and vapours, such as solvents with a boiling point <b>exceeding</b> 65°C | Solid and liquid substances and substances of reduced toxicity | Toxic, solid and liquid substances |

\*R= Reusable; D= Dolomite Dust Check

\* TRK = Technical Reference Concentration (TRC)

## Accessories

|   |  |   |  |
|---|--|---|--|
| Pre-filter<br>Art. No. 134262 (10x)<br>Art. No. 134239 (50x)        |  | SATA protect<br>Protective plastic goggles for optimum eye protection and antiglare vision during painting.<br>Art. No. 97485 |  |
| Pre-filter holder, red (2x) and pre-filter (10x)<br>Art. No. 134247 |  | SATA half mask cleaner<br>wet cleaning cloths<br>Art. No. 134965 (10x)<br>Art. No. 135020 (50x)                               |  |

# Clean compressed air for perfect surface finishes

Every bodyshop requires compressed air – for the painting process as such, to operate material pressure tanks, pumps, blow guns, cleaning devices and also as breathing air. According to the application, the requirements to air purification may be different: In any case, SATA has the solution.

## ■ SATA filter 400 – modular filter series to meet highest requirements

The SATA filter 400 series complies with the high requirements in terms of quality and efficiency. The modular construction allows the exact adjustment to the various user requirements. The combi units SATA filter 444 and 484 are standard equipment in spray booths – and also suitable for the breathing air purification. They reliably prevent expensive rework.

|   |  |
|---|--|
| <b>SATA filter 400</b>  | <p><b>Air flow:</b> 3,600 NI/min at 6 bar<br/> <b>Max. ambient temperature:</b> 120° C or 60° C, resp., when using activated charcoal</p> <p><b>SATA® filter 484™</b><br/>           Triple-stage combi filter for the application of waterborne paints. Pressure difference display via double pressure gauge to control the fine filter saturation level. Two outlet valves.<br/> <b>Art. No. 92320</b></p> <p><b>SATA® filter 444™</b> (without ill.)<br/>           Without stage 3 – suitable for the application of solvent-based paints.<br/> <b>Art. No. 92296</b></p> |
|  |  |

## ■ SATA filter 100 prep – clean compressed air even in the prep area

The SATA filter 100 prep and 103 prep have been especially developed to meet the requirements of the prep deck. They prevent coating flaws from the basis. They are not suitable for the use within spray booths. Only limited air supply of breathing protection devices.

|  |   |
|--|---|
| <b>SATA filter 103 prep</b>  | <p><b>Air flow:</b> &lt; 800 NI/min at 6 bar<br/> <b>Max. ambient temperature:</b> 50°C</p> <p><b>SATA® filter 103 prep™</b><br/>           Triple-stage filter for the application of waterborne filler and primer materials and/or when subsequently applying waterborne paints.<br/> <b>Art. No. 157420</b></p> <p><b>SATA® filter 100 prep™</b> (without ill.)<br/>           Without stage 3 – suitable for solvent-based filler and primer materials and when subsequently applying solvent-based paints.<br/> <b>Art. No. 148247</b></p> |
|  |   |

For more information concerning breathing protection, please contact your SATA dealer.

Your SATA dealer



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