

FAST MOVING TECHNOLOGY

*STÄUBLI*

# STA safety blowgun and HJP assemblies

Compressed air



# Blowing equipment that combines ergonomics and rugged design



Made entirely from high-strength composite materials, this is a high-performance safety blowgun.

## **Efficient**

Completely leak-tight, even under intensive use, for optimum blowing.

## **Optimum air jet orientation**

The shape of the blowgun means that the air jet is aligned with the forearm and hand, preventing wrist pain and fatigue and providing excellent user comfort.

## **Rugged and shock-resistant**

These two qualities are a direct consequence of the exceptional high-strength material used.

## **Non-scratch**

Body and nozzle tip are both made from non-scratch materials, thereby protecting fragile surfaces (paint, furniture...) from scratching.

## **Ergonomic design**

Sophisticated design combining lightness and comfortable handling.

## **Progressive control**

Highly sensitive lever ensures progressive control of the air jet from the moment the compressed air is released.

## **Applications**

- Workstation cleaning
- Blowing of machined parts and machining equipment
- Dust removal and drying of parts on manufacturing, assembly and inspection stations, tools, etc.

For the engineering, power, automotive, woodworking and plastics industries, laboratories...

## Five blowgun models corresponding to five types of nozzle



### Safety blowgun with protective air shield - MIK

The protective air shield prevents chips and dust from being blown back towards the operator.



### Silent safety blowgun - SIL

This blowgun combines blowing force and reduced noise level for operator comfort.



### Safety blowgun - OSHA

This blowgun combines blowing force and safety. Foolproof if in contact with the skin: two side exhaust holes instantly limit the output pressure.



### Conventional Zéphir blowgun - ZEP

Basic model for direct, accurate blowing.



### Safety blowgun with "contact" blowing - COT

A precise blowgun with a long, bent nozzle providing an accurate, powerful air jet for "contact blowing" in hard-to-reach areas.

## Three versions are available for each model

### Standard version

with maximum dynamic blowing pressure.

### Versions 2S3 and 2S15

with limited dynamic blowing pressure, equivalent to the standard model supplied at 3 bar for the 2S3 and 1.5 bar for the 2S15.

The dynamic pressure is lowered through a tamperproof system located in the blowgun body. With these models, workstations can be equipped with low-pressure blowguns supplied from a common 6-bar compressed air supply system.

## 2 types of connection

Female threads G 1/4 F or NPT 1/4 F.

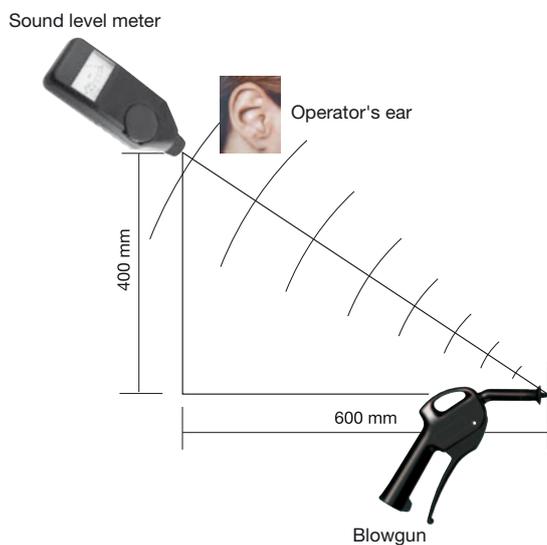
# Technical data

## Optimum blowing force for reduced consumption

Model	MIK	SIL	OSHA	ZEP	COT3	COT5
Consumption at 6 bar (Nm <sup>3</sup> /h)	27	12	13	15	15	14.5
Blowing force at 6 bar (g) *	230	210	270	310	264	244
Noise level (dBA) **	82	77	90	84	86	86

\* Test conditions: Distance: 300 mm - Surface area: 300 x 300 mm

### \*\* Noise level measurement



#### Construction

- Composite blowgun.
- NBR seals.
- Brass connection.

#### Minimum and maximum allowable temperatures TS (°C)

- 15 to + 70

#### Maximum allowable pressure PS (bar)

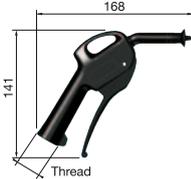
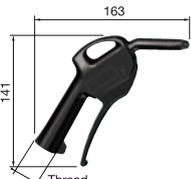
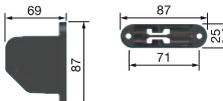
12 bar

#### Average blowgun weight

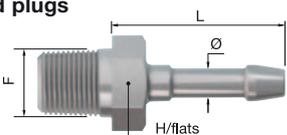
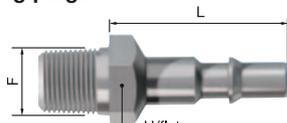
125 g

# Part numbers

## Blowguns only

Designation	Thread	Standard version	2S3 version	2S15 version
<b>Safety blowgun with protective air shield MIK</b> 	G 1/4	<b>STA 06.1101/MIK</b>	<b>STA 06.1101/MIK/2S3</b>	<b>STA 06.1101/MIK/2S15</b>
	NPT 1/4	<b>STA 06.1201/MIK</b>	<b>STA 06.1201/MIK/2S3</b>	<b>STA 06.1201/MIK/2S15</b>
<b>Silent safety blowgun SIL</b> 	G 1/4	<b>STA 06.1101/SIL</b>	<b>STA 06.1101/SIL/2S3</b>	<b>STA 06.1101/SIL/2S15</b>
	NPT 1/4	<b>STA 06.1201/SIL</b>	<b>STA 06.1201/SIL/2S3</b>	<b>STA 06.1201/SIL/2S15</b>
<b>Safety blowgun with protection in the event of direct contact with the skin OSHA</b> 	G 1/4	<b>STA 06.1101/OSHA</b>	<b>STA 06.1101/OSHA/2S3</b>	<b>STA 06.1101/OSHA/2S15</b>
	NPT 1/4	<b>STA 06.1201/OSHA</b>	<b>STA 06.1201/OSHA/2S3</b>	<b>STA 06.1201/OSHA/2S15</b>
<b>Basic blowgun for direct, accurate blowing ZEP</b> 	G 1/4	<b>STA 06.1101/ZEP</b>	<b>STA 06.1101/ZEP/2S3</b>	<b>STA 06.1101/ZEP/2S15</b>
	NPT 1/4	<b>STA 06.1201/ZEP</b>	<b>STA 06.1201/ZEP/2S3</b>	<b>STA 06.1201/ZEP/2S15</b>
<b>Safety blowgun with "contact" blowing COT</b> 			<b>Metal nozzle version 300 mm</b>	<b>Metal nozzle version 500 mm</b>
	G 1/4	<b>STA 06.1101/COT3</b>		<b>STA 06.1101/COT5</b>
	NPT 1/4	<b>STA 06.1201/COT3</b>		<b>STA 06.1201/COT5</b>
<b>Bracket</b> 				<b>Part number</b>
				<b>R0419001</b>

## Plugs

Designation	Dimensions (mm)			Thread F	Part number	Thread F	Part number
	Hose int. Ø	H	L				
<b>Threaded plugs</b> 	6	17	35	G 1/4	<b>AF 151.06</b>	NPT 1/4	<b>AF 251.06</b>
	8	17	35	G 1/4	<b>AF 151.08</b>	NPT 1/4	<b>AF 251.08</b>
	9	17	35	G 1/4	<b>AF 151.09</b>	-	-
	10	17	35	G 1/4	<b>AF 151.10</b>	NPT 1/4	<b>AF 251.10</b>
	13	17	40	G 1/4	<b>AF 151.13</b>	NPT 1/4	<b>AF 251.13</b>
<b>Connecting plugs</b> 	-	14	36	G 1/4	<b>RBE 06.6151</b>	-	-
	-	17	37	-	-	NPT 1/4	<b>RBE 06.6251</b>

# Complete units



Stäubli also offers blowgun models combined with high-performance spiral hoses, forming complete self-retracting HJP assemblies for efficient workstation organisation in manufacturing, inspection, assembly...

## Time saving and safety

Our HJP assemblies are supplied with high quality fittings and are ready to use.

## A multi-faceted product

- Excellent plastic memory: hose returns completely to initial position after extension ensuring the workstation always remains tidy. Permanent elasticity.
- High-resistance polyurethane hose, **silicone free**.
- Ends protected by springs to prevent bending.
- Compact and easy to operate.

## An extensive range

- Two hose diameters:  $\text{Ø } 5 \times 8$  and  $\text{Ø } 6.5 \times 10$  mm, associated with:
- Four working lengths: 1,500, 2,500, 3,000 and 5,000 mm.
- Two safety blowgun models: the HJP assemblies can be combined with the STA blowgun (shown in this brochure) and the steel PML blowgun shown in brochure RB 100.

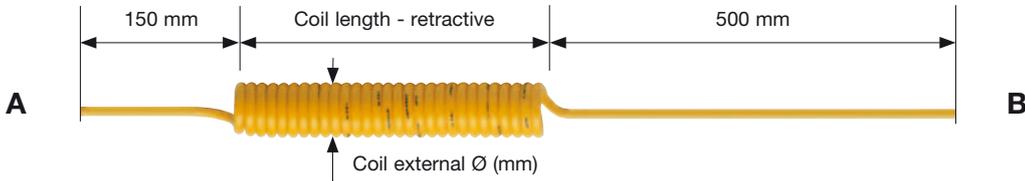
## Technical data

- Minimum and maximum allowable temperatures TS:
  - 15 to + 40 °C at 6 bar
  - 15 to + 30 °C at 10 bar
- Maximum allowable pressure PS: 10 bar



# Part numbers

## Polyurethane spiral hose



Internal / external hose Ø (mm)	Ø 5 x 8		Ø 6.5 x 10	
Working length (mm)	1 500	3 000	2 500	5 000
Coil length - retractive (mm)	180	360	300	500
Coil external Ø (mm)	42	42	52	52
Spiral hose part number	HJP05 M002	HJP05 M003	HJP06 M003	HJP06 M005

### Ends A - B

	Male thread	RBE 06 connecting plug
	 G 1/4 (with O'ring)	
End A	AF151	RBE066
Ends A & B	2AF151	

### End B

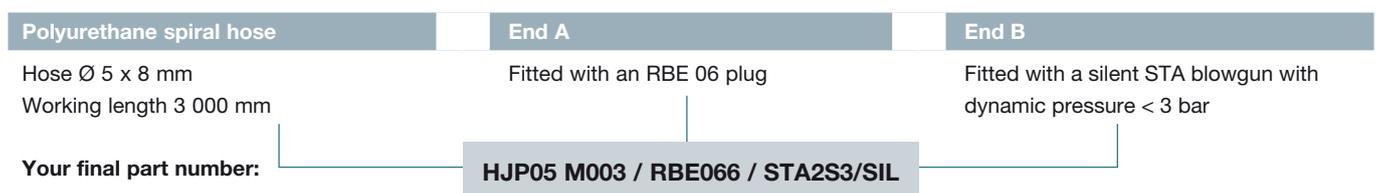
- Dynamic blowing pressure  
Blowgun using line pressure at 6 bar

Standard	2S3	2S15
STA	STA2S3	STA2S15

- Nozzle type

MIK	COT	SIL	OSHA	ZEP
				
/ MIK	/ COT3 for nozzle 300 mm / COT5 for nozzle 500 mm	/ SIL	/ OSHA	/ ZEP

## How to create your part number ?





■ Stäubli Units    ○ Representatives/Agents

# Global presence of the Stäubli Group

[www.staubli.com](http://www.staubli.com)