CONNECTORS

STÄUBLI

STA safety blowgun and HJP blowing unit

Compressed air





Blowing equipment that combines ergonomics and rugged design

Applications

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

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

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.

Ergonomic design

Sophisticated design combining lightness and comfortable handling.

Non-scratch

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

Rugged and shock-resistant

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

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.

Progressive control

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



Four blowgun models corresponding to four 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.

Three versions 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.

Two types of connection

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

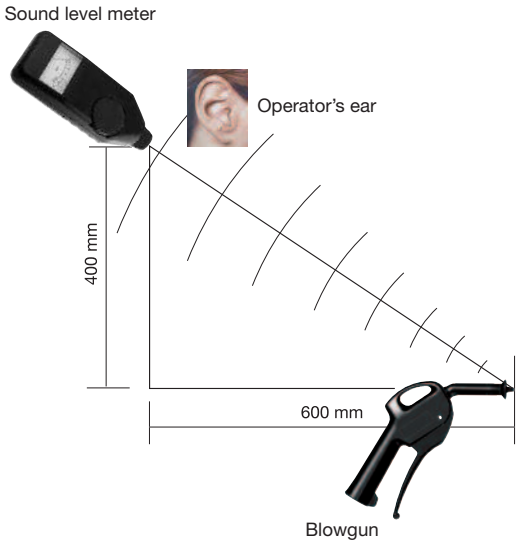


Technical data

Optimum blowing force for reduced consumption

Model	MIK	SIL	OSHA	ZEP
Consumption at 6 bar (Nm^3/h)	27	12	13	15
Blowing force at 6 bar (g)* *Test conditions: Distance: 300 mm - Surface area: 300 mm x 300 mm	230	210	270	310
Noise level (dBA)**	82	77	90	84

** Noise level measurement



Construction

- Composite blowgun
- NBR seals
- Brass connection

Maximum service temperatures

- 15°C to + 70°C

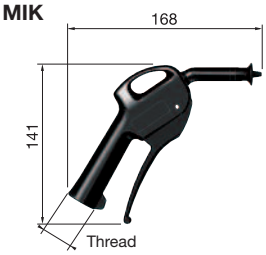
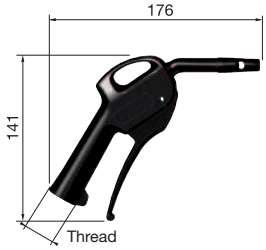
Maximum service pressure

12 bar

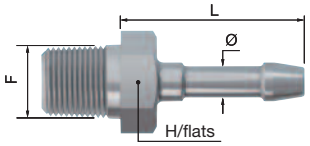
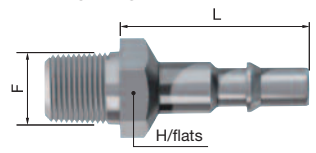
Average blowgun weight

- 125 g

Blowgun-only part-numbers

Designation	Thread	Standard version	2S3 version	2S15 version
• **Safety blowgun with protective air shield - MIK** 	G 1/4	**STA 06.1101/MIK**	**STA 06.1101/MIK/2S3**	**STA 06.1101/MIK/2S15**
	NPT 1/4	**STA 06.1201/MIK**	**STA 06.1201/MIK/2S3**	**STA 06.1201/MIK/2S15**
• **Safety blowgun with silent jet - SIL** 	G 1/4	**STA 06.1101/SIL**	**STA 06.1101/SIL/2S3**	**STA 06.1101/SIL/2S15**
	NPT 1/4	**STA 06.1201/SIL**	**STA 06.1201/SIL/2S3**	**STA 06.1201/SIL/2S15**
• **Safety blowgun with protection in the event of direct contact with the skin - OSHA** 	G 1/4	**STA 06.1101/OSHA**	**STA 06.1101/OSHA/2S3**	**STA 06.1101/OSHA/2S15**
	NPT 1/4	**STA 06.1201/OSHA**	**STA 06.1201/OSHA/2S3**	**STA 06.1201/OSHA/2S15**
• **Basic blowgun for direct, accurate blowing - ZEP** 	G 1/4	**STA 06.1101/ZEP**	**STA 06.1101/ZEP/2S3**	**STA 06.1101/ZEP/2S15**
	NPT 1/4	**STA 06.1201/ZEP**	**STA 06.1201/ZEP/2S3**	**STA 06.1201/ZEP/2S15**

Plug part-numbers

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



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

Time saving and safety

Our blowing units are supplied with high quality fittings and are ready to use.



An extensive range

- Two hose diameters:
  Ø 5 x 8 and Ø 6.5 x 10 mm, associated with:
- Four working lengths:
  1,500, 2,500, 3,000 and 5,000 mm.
- Two safety blowgun models:
  the blowing units can be combined with the STA blowgun (shown in this brochure) and the steel PML blowgun shown in brochure B 100.

A multi-faceted product

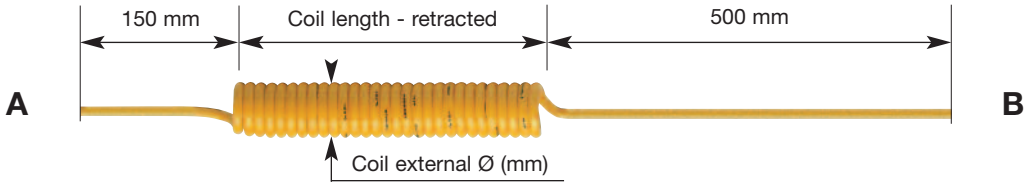
- Excellent plastic memory:
  hose returns fully to initial position after extension ensuring the workstation always remains tidy. Permanent elasticity.
- High-strength polyurethane hose, **silicone free.**
- Ends protected by springs to prevent bending.
- Compact and easy to operate.

Technical data

- Maximum service temperatures: - 15°C to + 40°C
- Maximum service pressure: 10 bar

Complete units 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 - retracted (mm)	180	360	300	500
Coil external Ø (mm)	42	42	52	52
Spiral hose	**HJP05 M002**	**HJP05 M003**	**HJP06 M003**	**HJP06 M005**

• Ends A - B

	Male thread		RBE 06 connecting plug
	 G 1/4 (with O-ring)	 NPT 1/4	
End A	**AF151**	**AF251**	**RBE066**
Ends A & B	**2AF151**	**2AF251**	

• End B

Dynamic blowing pressure Blowgun using line pressure at 6 bar	standard	2S3	2S15	
	STA	**STA2S3**	**STA2S15**	
Nozzle type	 MIK	 SIL	 OSHA	 ZEP
	/ MIK	**/ SIL**	**/ OSHA**	**/ ZEP**

How to create your part-number?

Polyurethane spiral hose	End A	End B
Hose Ø 5 x 8 mm Working length 3,000 mm	Fitted with an RBE 06 plug	Fitted with a silent STA blowgun with dynamic pressure < 3 bar

Your final part-number: **HJP05 M003** / **RBE066** / **STA2S3/SIL**

We reserve the right to modify product specifications without prior notice.

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