

Worldwide leaders in static control

The air knife are available in standard lengths (effective lengths) of 76mm (3"), 152mm (6"), 305mm (12"), 460mm (18") and 610mm (24") (lengths up to 2000 mm upon request).

They are standard equipped with anti-static bars type MEB with 3 metres shielded high voltage cable.

Models equipped with anti-static bars. *Performax Easy* provide an optimal solution for applications where the airknife is moving over a surface or object. Mounting on a robot arm is simple due to the 24V power cable.

Anti-static bar with airknife

Static neutralizing air knives combine the static neutralizing abilities of SIMCO static bars with the air handling performance of air knife technology to deliver high efficiency cleaning and static neutralizing.

SIMCO static bars help to neutralize static charges by breaking the air in the vicinity of the bar into positive and negative air ions which are attracted to and neutralize charged surfaces and objects. Utilizing the highly concentrated air stream of an airknife aids in delivering the air ions into the work area more efficiently than non-assited static bars or bars with conventional air tubes. Additionally, the air knife provides the benefit of greatly improved cleaning abilities with substantially reduced air consumption figures.



Airknife with MEB

Anti-static bar MEB

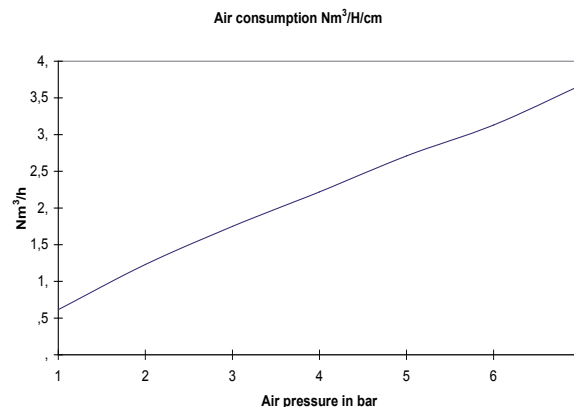
The anti-static bar MEB has capacitively coupled emitter pins and is shockless. It operates on 7 kV AC in cooperation with a Power Unit A2A7S or MPM.



Performax Easy with airknife

Anti-static bar *Performax Easy*

Emitter pins of the *Performax Easy* are resistor coupled and shockless. Ionisation is produced by a 9 kV pulsed DC supply which is incorporated into the static bar housing. It only needs a 24 V DC supply. An LED on the *Performax Easy* indicates if the bar is operational or at fault.



Features:

- Cleans while neutralizing static charges
- Neutralisation effective upto 3 metres
- No moving parts

Specifications

	with airknife	
	MEB	Performax Easy
Max. working distance	3000 mm	3000 mm
Working width	standard: 76, 150, 305, 460, 610 mm, lengths upto 2000 mm on request	standard: 305 460 610 mm, lengths upto 2000 mm on request
Housing material	aluminum	aluminum / steel
Inner bar material	PVC	reinforced plastic
Emitter pins	special alloy	special alloy
Cable	metal shielded	low voltage
Weight	2,6 kg/m	4 kg/m
Ambient temperature	0 - 55 °C	0 - 55 °C
Use circumstances	industrial	industrial
Protection classification		IP66
Operating voltage	7 kV AC	9 kV DC
Air consumption	on request	on request
Pressure	Max. 10 bar	Max. 10 bar
Airconnection	1/4" BSP	1/4" BSP
Option	airfilter	airfilter
Suitable power unit	A2A7S	integrated
Input voltage		24 V DC < 0,5 A
Approval	UL	

Filters

703S-24A: 5 micron, capacity 710 l/min.

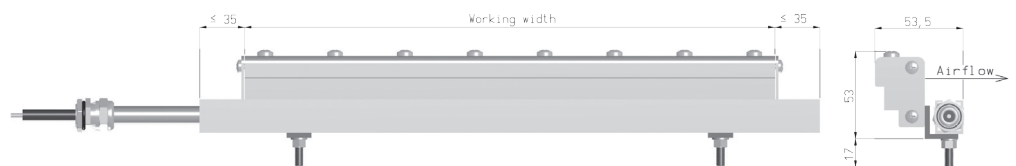
703S-36A: 5 micron, capacity 1420 l/min.

703S-40A: 5 micron, capacity 5660 l/min.

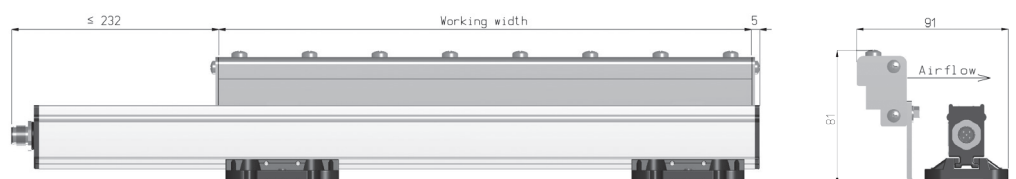
(at 6,9 bar).

Air knives should be operated on clean, dry, oil-free air. Therefore installation of a 5 µ filter in the air supply is recommended.

Airknife with MEB



Performax Easy with airknife



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