
Ionizing Airblowers

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1 Ionizing Airblowers

Ionizing Airblowers

1.1 Overview

Ionising air blowers neutralised plastic products from a distance.



1.2 Benefits

The emitter pins of the anti-static bar inside the blower ionise the air which is blown towards the electrostatically charged object. The part is then neutralised by the ionised flow.

1.3 Applications

Plastics attract dust due to static electricity. The dust particles stick firmly to the surface, which creates quality issues. Due to their shape, many plastic products have to be neutralised from a distance. For this purpose, has developed ionising air blowers.

2 Models

2.1 Ionizing Airblowers

Plastics attract dust due to static electricity. The dust particles stick firmly to the surface, which makes it difficult to remove them. Due to their configuration, numerous plastic products have to be neutralized from a distance. For this purpose, has developed Aerostat ionizing air blowers. The emitter points of the anti-static bar ionize the air which is blown towards the electrostatically charged object. The part is then neutralized by the ionized flow. The distance from the blower to the product or material to be neutralized may be 1.5 m at most. The built-in shockproof anti-static bars are energized by a power unit which supplies the required voltage for ionization.

BlowION: Ionizing air blower

The BlowION ionising air blower has been designed for multifunctional applications. It features an ergonomic, robust designed extruded anodized aluminum housing. The integrated fans and the intelligent positioning of an anti-static bar and a high effective neutralising technique to provide long range ionization over a large area. The patented built-in cleaner brush maintains the ionisation production at optimum results by simply sliding from right to left. No external HV wiring is required as the power supply is incorporated (only line cord). The provided bolts warrant a simple installation and a quick Plug and Play of the unit. The BlowION is available in standard lengths from 520 mm effective length up to 1960 mm, in increments of 160 mm which covers most un- and rewinding applications.

Model	BlowION
Working distance	1000 mm max.
Working width	520 - 1960 mm
Housing material	Anodized aluminum, coated steel
Ionizing bar material	Brass
Emitter pins	Special alloy
Cable bar	2 m with IEC 320 connector
Cable motor	-
Weight	11 - 25 kg
Ambient temperature	0 - 50°
Use circumstances	Industrial
Noise level	49 - 63 dB(A) (at 1 metre)
Airvolume 50 Hz	750 - 3000 m3/h
U primary	100 - 240 V AC, 50/60 Hz
Power consumption	230 Watt max.
Fan speed control	Yes
Option	Filter
Suitable power unit	Integrated
Approval	-
ATEX category	-
ATEX certificate	-



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VolumION: Ionizing air blower

The VolumION is a very robust ionizing air blower with an effective ionising width of 500 mm. The VolumION consists of a motor, two fans and an ionisation unit. Ambient air is drawn on two sides and blown off along three anti-static bars. The air flow that is drawn in is adjustable on both sides. This ionising air blower is also ideal for long range neutralising when paper and film webs are being wound. The air inlets can be fitted with a special filter.

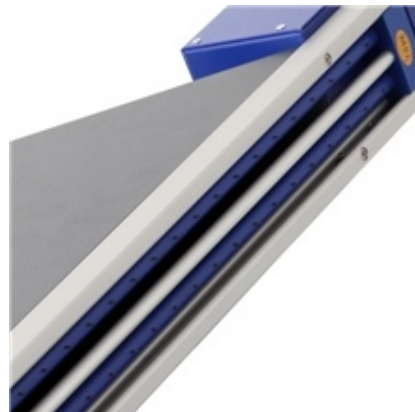
Model	VolumION
Working distance	1500 mm max.
Working width	500 mm
Housing material	Steel, powder coating
Ionizing bar material	PVC
Emitter pins	Special alloy
Cable bar	3 m metal shielded
Cable motor	3 m (Neoprene)
Weight	11 kg
Ambient temperature	0 - 50°
Use circumstances	Industrial
Noise level	77 dB(A) (at 1 metre)
Airvolume 50 Hz	600 m3/h
U primary	400 V AC, 50 Hz/60 Hz
Power consumption	140 Watt
Fan speed control	-
Option	Filter
Suitable power unit	A2A7S/MPM
Approval	-
ATEX category	-
ATEX certificate	-



HP-N-Ex: Ionizing air blower

The HP-N-Ex ionizing air blower consists of a motor and a fan. The ambient air is drawn on one side and blown off along an anti-static bar. The effective ionizing width is 500 mm. This ionisation blower has been approved for use in certain explosion-hazardous environments. The power unit is integrated in the anti-static bar.

Model	HP-N-Ex
Working distance	1500 mm max.
Working width	500 mm
Housing material	Aluminum / steel
Inner bar material	PVC
Emitter pins	Special alloy
Cable bar	5 m (Neoprene)
Cable motor	5 m (Neoprene)
Weight	13 kg
Ambient temperature	0 - 40°
Use circumstances	Industrial
Noise level	60 dB (A) (at 1 metre)
Airvolume 50 Hz	-
U primary	230/400 V AC, 50 Hz, 3 phase
Power consumption	120 Watt
Fan speed control	-
Option	Neon lamp, external
Suitable power unit	Integrated
Approval	ATEX
ATEX category	II 2G Ex smb IIB T4 (bar)
ATEX certificate	BAS00ATEX2162X



2.2 Ionizing Airblowers (Aerostat Sentry)

The Aerostat Sentry ionizing air blower neutralizes static charges perfectly. The Sentry has been designed for areas where static electricity causes problems, ranging from dust and dirt attraction to uncomfortable electrical shocks to personnel. The Sentry is ideal for light industrial environments and it increases productivity. The Sentry is excellently suited to neutralize static charges on threedimensional objects, for instance injection moulded products.

Sentry: Ionizing air blower

The Aerostat Sentry ionizing air blower neutralises static charges perfectly. The Sentry has been designed for areas where static electricity causes problems, ranging from dust and dirt attraction to uncomfortable electrical shocks to personnel. The Sentry is ideal for light industrial environments and it increases productivity. The Sentry is excellently suited to neutralise static charges on threedimensional objects, for instance injection moulded products. This ionizing air blower stands out for its compact design. It has an integrated fan which draws in the ambient air and blows the air off along the anti-static bars. The air inlet may be fitted with a special filter. The air volume can be adjusted electrically. The high-voltage power unit for the anti-static bars is also integrated. The anti-static bars are equipped with a (patented) cleaning system. The control knobs at the rear are easily reached and operated.

Model	Sentry
Working distance	1000 mm max.
Working width	500 mm
Housing material	Painted steel
Ionizing bar material	Brass
Emitter pins	Special alloy
Cable	1,8 m with plug
Weight	8 kg
Ambient temperature	0 - 50°
Use circumstances	Light industrial
Noise level	58 dB(A) (at 1 metre)
Airvolume 50 Hz	119- 204 m3/h
U primary	230 V AC, 50 Hz
Power consumption	115 Watt
Fan speed control	Yes
Suitable power unit	Integrated



3 Technical data

Ionizing Airblowers

Model	Working distance	Working width	Housing material
BlowION	1000 mm max.	520 - 1960 mm	Anodized aluminum, coated steel
VolumION	1500 mm max.	500 mm	Steel, powder coating
HP-N-Ex	1500 mm max.	500 mm	Aluminum / steel

Model	Inner bar material	Emitter pins	Cable bar	Cable motor	Weight
BlowION	Brass	Special alloy	2 m with IEC 320 connector	-	11 - 25 kg
VolumION	PVC	Special alloy	3 m metal shielded	3 m (Neoprene)	11 kg
HP-N-Ex	PVC	Special alloy	5 m (Neoprene)	5 m (Neoprene)	13 kg

Model	Ambient temperature	Use circumstances	Noise level	Airvolume 50 Hz
BlowION	0 - 50°	Industrial	49 - 63 dB(A) (at 1 metre)	750 - 3000 m ³ /h
VolumION	0 - 50°	Industrial	77 dB(A) (at 1 metre)	600 m ³ /h
HP-N-Ex	0 - 40°	Industrial	60 dB (A) (at 1 metre)	-

Model	U primary	Power consumption	Fan speed control	Option	Suitable power unit
BlowION	100 - 240 V AC, 50/60 Hz	230 Watt max.	Yes	Filter	Integrated
VolumION	400 V AC, 50 Hz/60 Hz	140 Watt	-	Filter	A2A7S/MPM
HP-N-Ex	230/400 V AC, 50 Hz, 3 phase	120 Watt	-	Neon lamp, external	Integrated

Model	Approval	ATEX category	ATEX certificate
BlowION	-	-	-
VolumION	-	-	-
HP-N-Ex	ATEX	II 2G Ex smb IIB T4 (bar)	BAS00ATEX2162X

Ionizing Airblowers (Aerostat Sentry)

Model	Working distance	Working width	Housing material
Sentry	1000 mm max.	500 mm	Painted steel

Model	Ionizing bar material	Emitter pins	Cable	Weight
Sentry	Brass	Special alloy	1,8 m with plug	8 kg

Model	Ambient temperature	Use circumstances	Noise level	Airvolume 50 Hz
Sentry	0 - 50°	Light industrial	58 dB(A) (at 1 metre)	119- 204 m3/h

Model	U primary	Power consumption	Fan speed control	Suitable power unit
Sentry	230 V AC, 50 Hz	115 Watt	Yes	Integrated