



Cleaning box

IONCLEAN B

- Contactless cleaning with an air stream
- Protection against dust collection through ionization and integrated suction

The high demands towards purity requirements within specific production processes in the food industry, require the proper utilization of high quality and professional cleaning systems made of stainless steel. An interim and final cleaning is usually required. However, since it is often the case that such a system cannot be

installed into a work process due to the spatial or production conditions, Ziegner + Frick has developed the IONCLEAN B cleaning box. Since it is offered in various sizes and through its simple and manual operation, this unit can be easily integrated into all kinds of manufacturing processes.



Neutralization and cleaning of a workpiece carrier.

Cleaning Technology

Cleaning box

IONCLEAN B



Assembling aid



Ion nozzle



Accessories

Application examples

Food industry

Cleaning of food transport containers, foils and packaging.

Electronic semi-conductor industry

Cleaning of circuit boards, displays.

Medical technology

Cleaning of semifinished products.



Supply unit for IONclean with timer control

Generating a control voltage of 24V DC to supply external sensors. Control / monitoring of the dust collector and the ionization.

Automatic sequence control:

If the signal "1" (24V DC+) is triggered at the sensor socket the built-in air pressure valve will be controlled according to the setting on the multi-function timer relay.

Cleaning box

Housing:	
Material	V2A 1.4301
Active width:	100 to 600 mm
Grid width:	100 mm
Overall width:	active width + 40mm
Depth:	300 or 400 mm
Height:	250 mm
Vacuum aspiration:	Dust collector D = 76 mm Transvector D = 51 mm
Voltage:	2 x 7.0 kV
Pressurized air:	Ionization 2 x 10 mm per transvector 1 x 10 mm

Pressurized air consumption

Ionization at 3.0 bar:

Active width 100 mm:	80 l/min
Active width 200 mm:	180 l/min
Active width 300 mm:	280 l/min
Active width 400 mm:	380 l/min
Active width 500 mm:	500 l/min
Active width 600 mm:	600 l/min

Transvector at 6.9 bar:

Active width 100 mm:	708 l/min
Active width 200 mm:	708 l/min
Active width 300 mm:	708 l/min
Active width 400 mm:	1416 l/min
Active width 500 mm:	1416 l/min
Active width 600 mm:	1416 l/min