Cleaning hood

**IONCLEAN HL**

- Compact and powerful
- Contactless cleaning with rotary nozzles
- Optimal cleaning results through an ionization and vacuum aspiration of the dirt particles

In many manufacturing processes, the Ziegener + Frick IONCLEAN stainless steel cleaning hood has proven to be a highly effective and economic solution for the cleaning of product surfaces through ionization. A problem regarding the installation situation within different workflows often arises. IONCLEAN HL was developed to specifically target this issue: high performance in a very compact design. It is therefore perfectly suited for use in hard-to-reach and confined spaces.

Cleaning (e.g. PCBs) with ionized air and rotating nozzles with a simultaneous vacuum aspiration
Cleaning from the top and bottom

We offer an efficient solution to thoroughly clean a product on both sides: our IONCLEAN HL cleaning hood can be combined with the IONCLEAN HU. It is additionally mounted below the product to achieve a complete and comprehensive removal of all dirt particles. In practice the covers are not directly arranged over each other, but rather offset to one another.

Power supply

The standard model is designed in a modern way, and the operating elements and connections are easily accessible. It is equipped with an on/off switch with indicator light. Additionally, a high voltage indicator light was integrated into this power supply. This lamp will switch off if a system fault arises. Up to four ionizers can be connected. The device is compliant with the IP-54 protection standard and meets the relevant requirements of the European CE standard. In addition, the device has the necessary UL approval for the USA and Canada.

Cleaning hood

- Housing
  - Material: V2A 1.4301
  - Active width: 100 to 1,900 mm
  - Grid width: 100 mm
  - Overall width: active width + 4mm
  - Depth: 180 mm
  - Height: 160 mm
- Rotary nozzles: each 100 mm, 1 unit
- Vacuum aspiration
  - Dust collectors
  - Transvector
- Voltage: 2 x 4.0 kV or 2 x 5.0 kV
- Pressurized air:
  - Rotary nozzles: 2 x 10 mm or 2 x 12 mm; Transvector: 1 x 10 mm
- Acoustic noise: 72 db (A)

Pressurized air consumption

- Rotary nozzles at 6.0 bar:
  - Active width 100 mm: 30 l/min
  - Active width 200 mm: 50 l/min
  - Active width 300 mm: 80 l/min
  - Active width 400 mm: 110 l/min
  - Active width 500 mm: 130 l/min
  - Active width 600 mm: 150 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