

Extractability™

PRODUCT INFORMATION

ProtectoCube 4N & 4H

SUMMARY

The ProtectoCube product line is a filter unit equipped with filter cartridges applicable for nearly every task in the area of fume and dust filtration. The polluted air is extracted by means of the ventilator and guided towards the filtering section. The toxic particles are deposited on the surface of the filter cartridges.

The cartridges are cleaned automatically by compressed air. The particles deposited on the cartridge are detached by the compressed air blast and reach a dust collecting tank. The cleaned air is recycled to the working space without any heat loss.

TARGET APPLICATIONS

For which fields can the ProtectoCube be applied?

- as central suction unit for several manual welding stations
- as suction unit for welding robots / cabins
- as suction unit for extraction hoods



Not to be used on explosive dust

FURTHER INFORMATION

How is the ProtectoCube constructed?

The main parts of the ProtectoCube are the fan, pneumatic housing, filter section including cartridges and dust collecting section as well as the control unit for filter cleaning. The system will be delivered ready for connection. Only the system control panel must be connected. The housing consists of a stable steel plate construction and powder coating. The control unit is delivered completely preset and is very easy to handle. The control element is specially developed to survey and control the filter unit. All functions can be easily accessed and adjusted according to the operation parameters. The ProtectoCube is equipped with filter cartridges of the filter category BIA M. A special auxiliary filtering substance is coated on these cartridges already in the factory.

ARTICLES & ACCESSORIES

| Part Number | Product Description |
|---------------|--|
| EXT3CUBH22 | ProtectoCube 415v 2.2kw 3ph 3500 m³/h |
| EXT3CUBH3 | ProtectoCube 415v 3kw 3ph 4000 m³/h |
| EXT3CUBH4 | ProtectoCube 415v 4kw 3ph 5000 m³/h |
| EXT3CUB4H55 | ProtectoCube 415v 5.5kw 3ph 6000 m³/h |
| EXT3CUB4H75 | ProtectoCube 415v 7.5kw 3ph 7500 m³/h |
| EXT3CUB4H110 | ProtectoCube 415v 11kw 3ph 10000 m³/h |
| EXT10025200 | Filter Cartridge 20m² BIA M 327 x 1200mm |
| EXT9510050001 | Pre-coat for filter cartridges, 100g |

TECHNICAL SPECIFICATION

| | |
|--------------------------------|--------------------------------------|
| Extraction Capacity | 3500/ 4000 /5000 /7500 /10000 m³/h |
| Filter Efficiency | > 99% |
| Motor Power | 2kw- 3kw – 4kw- 5.5kw - 7.5kw & 11Kw |
| Noise Level (nozzle installed) | 78 dB(A) |
| Weight | 280 -350 kg |
| Filter Surface Area | 20 m² (4 x cartridges at 20 m²) |
| Filter Size 4N | 2370 x 800 x 800 (H x D X W) |
| Filter Size 4H | 2920 x 800 x 800 (H x D X W) |
| Inlet Spigot | 250 – 315 or 400mm Diameter |

For further information, contact Extractability technical support on **0845 862 2620** or email service@extractability.eu