

Grinding - deburring - polishing

Dust extraction unit PC 01



Area of application

Extraction of grinding and polishing dust

classifying the dusts according to type, particle size and concentration, it is possible to determine the best possible technology and correctly dimension the filter system.

Special advantages

- High filter surface & effectiveness
- Large selection of different filter material
- Absolute filter M14 for stainless steel dust
- Automatic switch-off in the event of an emergency



Ultra-fine filter class H 14

Baffle plate



Dust drawer

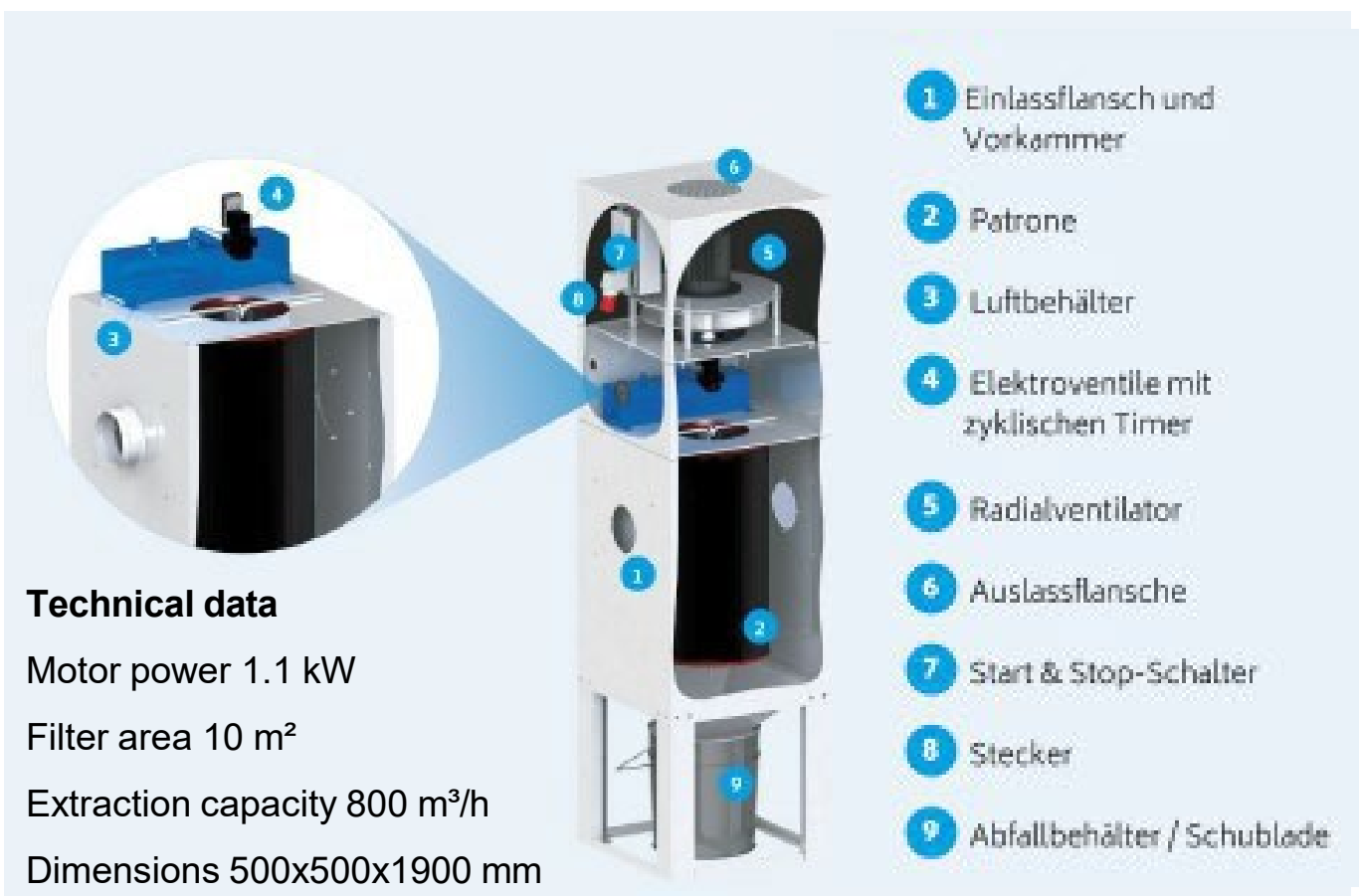


Conical filter cartridge

Description and mode of operation

The air to be treated flows into the filter (1) and enters a pre-chamber (1), which favours the separation of coarse pollutant particles. The air flow then passes through the filter cartridge (2) and deposits the contaminants outside the filter cartridge, while the clean air is discharged from the upper part of the filter (6). An electronic device (4) controls the cleaning of the filter elements (2) with a pulse jet system.

The pulse jet cleaning system consists of a counter-current injection of a high-pressure air flow to remove dust from the filter elements without interrupting operation. Correct cleaning of the filter fabric guarantees the flow of the air drawn in.



Technical data

Motor power 1.1 kW

Filter area 10 m²

Extraction capacity 800 m³/h

Dimensions 500x500x1900 mm