

# Fume extraction system FEC.

Weld fume extraction with cyclone technology!



FEC **12** THE GREEN SOLUTION



# Highly efficient cyclone technology! Reduced cleaning intervals.

## FEC in detail



\* As soon as the negative pressure in the filter due to contamination is too high, the LED display signals the need for cleaning.

## Efficient extraction and simple handling ...

The FEC works with the highly efficient cyclone technology and separates particles upstream from the filter. Therefore, requires less cleaning.



Control element FEC



# At a glance! Order overview and technical data.

## Fume extraction system FEC (Order overview)



Pos.	Designation	Part-No.
1	Carbon brushes 230 V	601.0005.1
2	Carbon brushes 115 V	601.0063.1
3	Main filter cartridge	601.0075.1
4	Main filter cartridge H13 / carbonated poly.	601.0076.1
5	Exhaust air filter	601.0077.1
not ill.	Dust collection bag	601.0021.10
6	Suction hose with sleeves, L = 5.00 m	601.0015.1
7	Connector for suction hose	601.0046.1
8	Adapter ring RAB Plus (50 / 44 mm)	601.0031.1
9	Flexible funnel nozzle, magnetic with base	601.0016.1
10	Start-stop-measuring calliper, 4-pole	601.0041.1

Description	Part-No.
FEC (230 V)	601.0071.1
FEC (115 V)	601.0072.1
FEC W3 (230 V)	601.0073.1
FEC W3 (115 V)	601.0074.1

## Fume extraction system FEC (Technical data)

Weight:	approx. 25 kg
Max. air flow:	230 m <sup>3</sup> /h
Connection diameter:	50 mm
Max. vacuum:	19,000 Pa
Noise level:	76 dB (A)
Voltage:	115 V, 50/60 Hz   230 V, 50 Hz
Engine performance:	1.1 kW
Filter:	permanent filter dust class M, 0.8 m <sup>2</sup>
Dimensions:	length 590 mm; width 425 mm; height 825 mm



# Ideal system solution! FEC and Fume extraction torches RAB GRIP HE 2.



## Fume extraction torch RAB GRIP HE 2

The ideal supplements for the FEC extraction system are the new RAB GRIP HE 2 fume extraction torches from ABCOR BINZEL. Together, these perfectly coordinated systems set new standards in extraction.

The new RAB GRIP HE 2 torches capture fumes where they are created: directly at the gas nozzle. To prevent an extractor nozzle hindering accessibility of the component and a clear view of the arc, the RAB GRIP HE 2 captures the fumes approx. 45 mm downstream from the gas nozzle.

Thanks to the new tapered nozzle geometry, new cable assemblies and extraction tubes, as well as the optimized machine connection, the RAB GRIP HE 2

captures weld fumes optimally even in difficult working positions. For example, extraction efficiency in the flat position is over 95%, which places the system in the top range of extraction torches.

The system solution with FEC and RAB GRIP HE 2 fume extraction torches combines effective health protection with the best possible working conditions and is eminently suitable for demanding industrial use.