ZPF Central suction and filter unit

Suitable for

Various extraction tasks at several working places at the same. Especially suitable for large amounts of air. This unit is IFA certified for welding fume class W3.

GIGANTIC Filter area



ZPF with fan on top

Description

The central, self-dedusting cartridge filter system cleans the polluted air that is guided by an extraction element suitable for practical application through a specially designed ducting system.

All filter units are equipped with hanging filter cartridges of the dust category M (separation efficiency ≥ 99 %). Thus, the cartridges are admitted on the side. Heavy particles immediately fall into the dust collecting container.

The filter cartridges are coated ex works with a special filter medium. This increases their lifetime compared to standard cartridges.

The advantages of this self-dedusting system are the optimal dedusting performance (high lifetime of the cartridges, high extraction performance), the user-friendliness and the low maintenance. The dedusting is controlled by a microprocessor by means of the display control via the POWER SPRAY-SYSTEM.

Standard equipment

- Fully automatic cleaning via POWER SPRAY system
- 6 to 27 large filter cartridges with 25 m² filter surface
- Dust bin with snap closures
- Powerful fan with control
- Integrated compressed air tank
- Maintenance doors for all operating areas
- Display control
- Filter protection NANNOX
- PE bags for the dust collection unit

Available as an option

- Silence module
- Spark pre-separator
- Safety device with particle sensor, extinguishing device and door with viewing window(s)

INCLUDING POWER SPRAY-SYSTEM

further information on page 54

DGUV Test

Gefahrstoffgeprüft Schweißrauch-abscheideklasse W3

Let us configure your ZPF version!

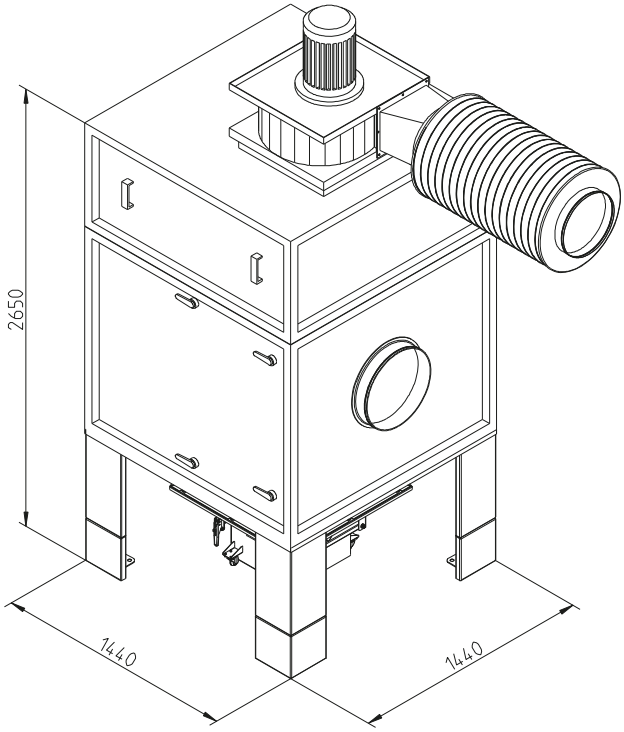
Technical Data

ZPF Central suction and filter unit	
Max. volumetric flow of the fan	5000 – 42000 m³/h
Max. pressure	2500 – 5 600 Pa
Motor performance	5,5 – 55,0 kW
Separation efficiency	≥ 99 %
Filter surface	150 m² - 675 m²



ZPF with adjacent fan in a soundproof housing





ZPFs set up modularly with increased suction power and filter surface

Accessories for **ZPF**

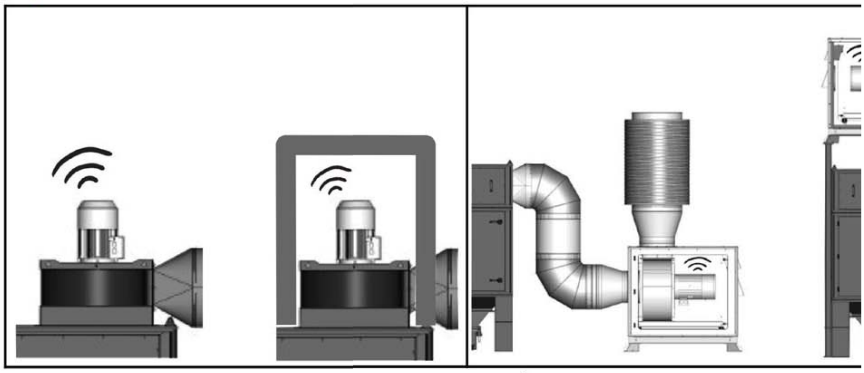
	Filter cartridges 15,6 m², 327 x 1200 mm 6 to 9 cartridges per module		6161200115608	RGD
	Filter cartridges 20 m², 327 x 1200 mm 6 to 9 cartridges per module		6161200120008	RGD
	Filter cartridge 25,3 m², Easy Clean Plus, 327 x 1200 mm 6 to 9 cartridges per module		6161200225308	RGD
	Master-Slave-Control 400V / 16A	valve control and automatic powering of a filter unit by connected devices	150010016	RGB
	Master-Slave-Control 400V / 32A	valve control and automatic powering of a filter unit by connected devices	150010032	RGB
	Master-Slave-Control 230V / 16A	valve control and automatic powering of a filter unit by connected devices	15001001602	RGB
	Master-Slave connection unit	for the control of up to 3 master-slave controllers simultaneously	15001001604	RGB

Subject to changes and errors. Illustrations may contain optional equipment.

Variants of ZPF

5,5 - 11 kW

15 - 55 kW

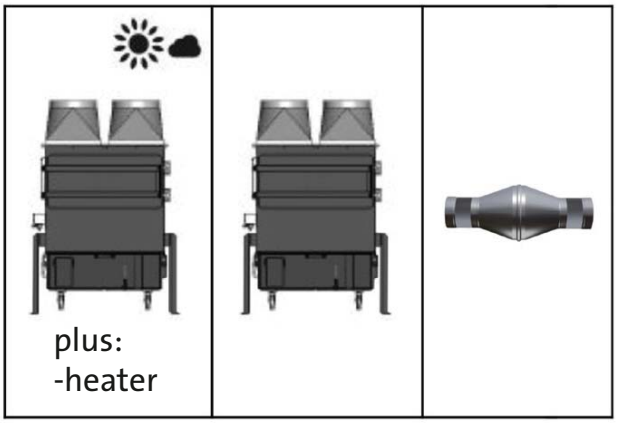


Motor performance [kW]

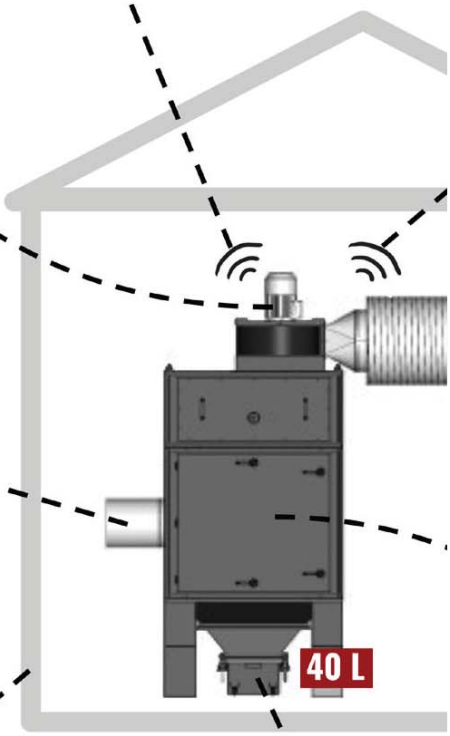
5,5 / 7,5
11,0 / 15,0
18,5 / 22,0
30,0 / 37,0
45,0 / 55,0

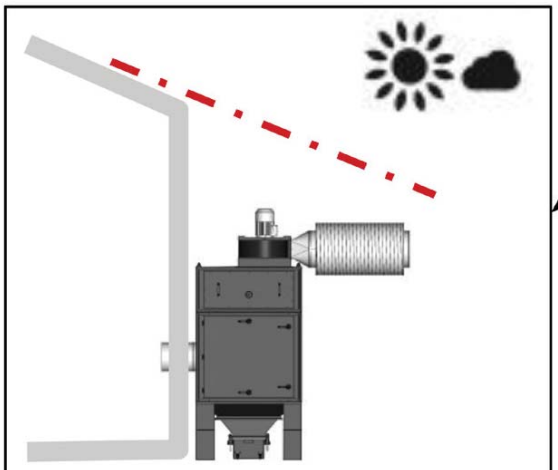
Add-On: Spark protection

#1 #2 #3

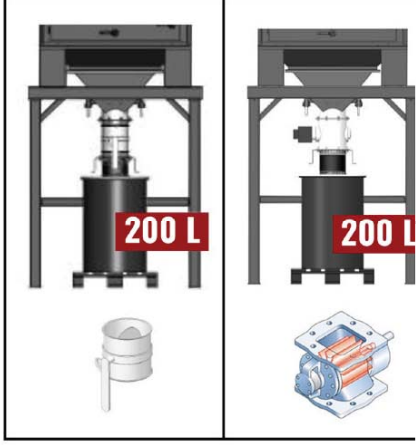


plus:
-heater

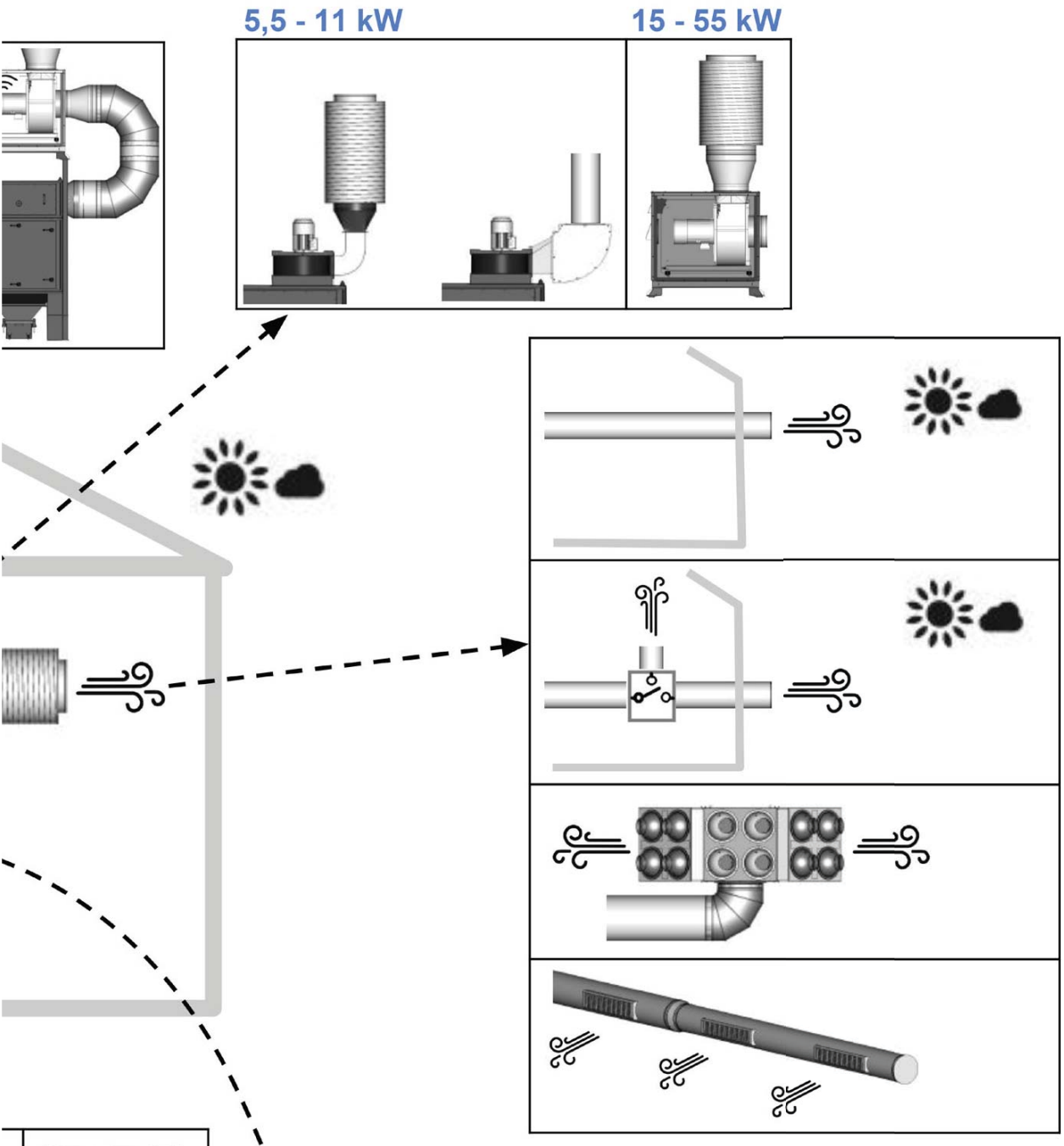


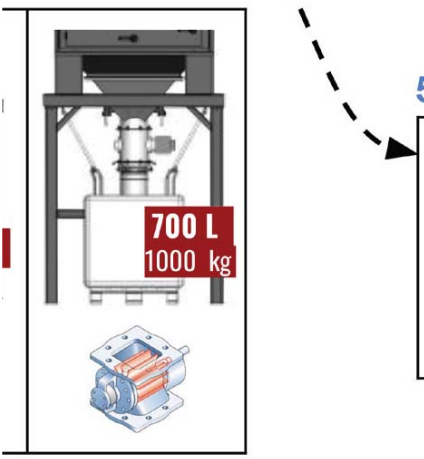


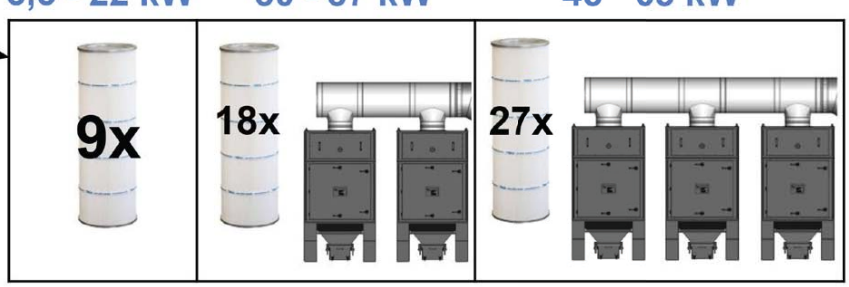
plus:
-heating valve
-galvanized housing
-Weather protection / enclosure
(by operator!)



Our Hotline
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Filter cartridges available in different materials

Subject to changes and errors. Illustrations may contain optional equipment.