



## FPV 100



### Designed for larger dust volumes

The FPV 100 (filter cartridge pre-separator) is equipped with a dedustable filter cartridge, which enables the filter to be freed from dust through rotational movement. The unit is connected upstream of a TBH extraction unit of the LN or GL series and is particularly suitable for applications in which large quantities of dry dust are extracted. The combination of FPV 100 and a downstream extraction system achieves enormously long service lives. In combination with precoating (application of a separating layer on the filter cartridge), it is also possible to reliably separate sticky and moist dusts.

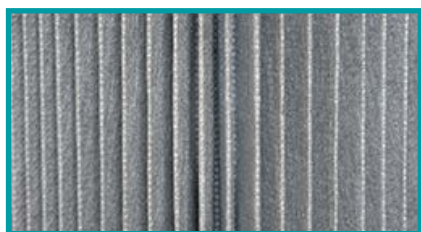
This unit serves as a purely passive pre-filter and is operated in combination with a downstream extraction system. It collects larger quantities of coarser dust in a separate dust container and keeps it away from the system. This relieves the load on the downstream filters and increases the service life of the entire filter system.



Illustration similar



### Long service life due to effective filter cleaning



New filter cartridge



Filter cartridge in operation



Filter cartridge after dedusting

TBH antistatic filter cartridges are equipped with a microfibre surface of PES (polyester) and a conductive coating. This is a robust and well protected solution

against mechanical damage for a wide range of customer applications. PTFE coated filter cartridges are also available for special applications.



### Simple dust removal



The dust generated during the process is disposed of via the removable dust container. If required, a dust bag can be inserted for low-contamination dust removal.



### Precoating process



Precoating of the FPV 100 with Precofix 200 takes place manually via an optionally available precoating socket (see ordering data). For this purpose, the cover cap of the precoating socket is opened when the extraction system is switched on. The user can then slowly pour the Precofix 200 powder (follow the dosing instructions!) into the nozzle and close the cover cap

again. The Precofix 200 distributes evenly on the surface of the filter cartridge, protecting it and creating a thin separation layer between the filter medium and the extracted debris particles. This enormously increases the application range of cartridge filter systems of the FP and FPV series and greatly extends the filter service life, even under difficult conditions.



without Precofix 200

with Precofix 200

## Applications



Mechanical processing (grinding, deburring, milling, drilling, cutting)

Processes such as grinding, deburring, milling, drilling or cutting generate dust, vapours and gases. These by-products must be extracted before their tiny particles are inhaled and can cause serious harm to the human body.



**Refilling work, packaging processes, feeding and conveying processes**

When materials are moved from one place to another, such as during packaging or transportation, this process can cause particles to be released. Especially since they are not visible to the human eye, the risk should not be underestimated. Particles can develop from turbulences. TBH filter and extraction systems safely remove these particles from the ambient air.



Accessories



DUST BAG SET

USE	DESIGNATION	ART. NO.
FPV 100	1 x dust bag set	13993
FPV 100	10 x dust bag set	14367



PRECOATING ACCESSORIES

USE	DESIGNATION	ART. NO.
FPV 100	Precofix 200, 15 liters	14389
FPV 100	Precofix 200, 60 liters	14417

# Technical data FPV 100



Illustration similar



## Delivery scope:

- Fully assembled with initial filter equipment
- 4 castors for mobile use

TECHNICAL DATA	UNIT	FPV 100
Max. permissible air flow rate	m³/h	800
Weight	kg	approx. 70
Dimensions (HxWxD)	mm	1290x450x450
Connection socket set (air inlet/outlet)	-	Order separately
Filter dedusting	-	Hand crank
Filter Surface	m²	4
Dust collection container	Liters	20
Color	RAL	7035

FILTER CONFIGURATION	
Filter cartridge, dedustable (dust category M)	✓

Orderring data FPV 100



Illustration similar

FPV 100

DESIGNATION	ART. NO.
FPV 100	90045

SPARE FILTER	
Filter cartridge	13637

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PRECOATING AGENT	
Precofix 200 15 liters	14389
Precofix 200 60 liters	14417

PRECOATING SOCKET

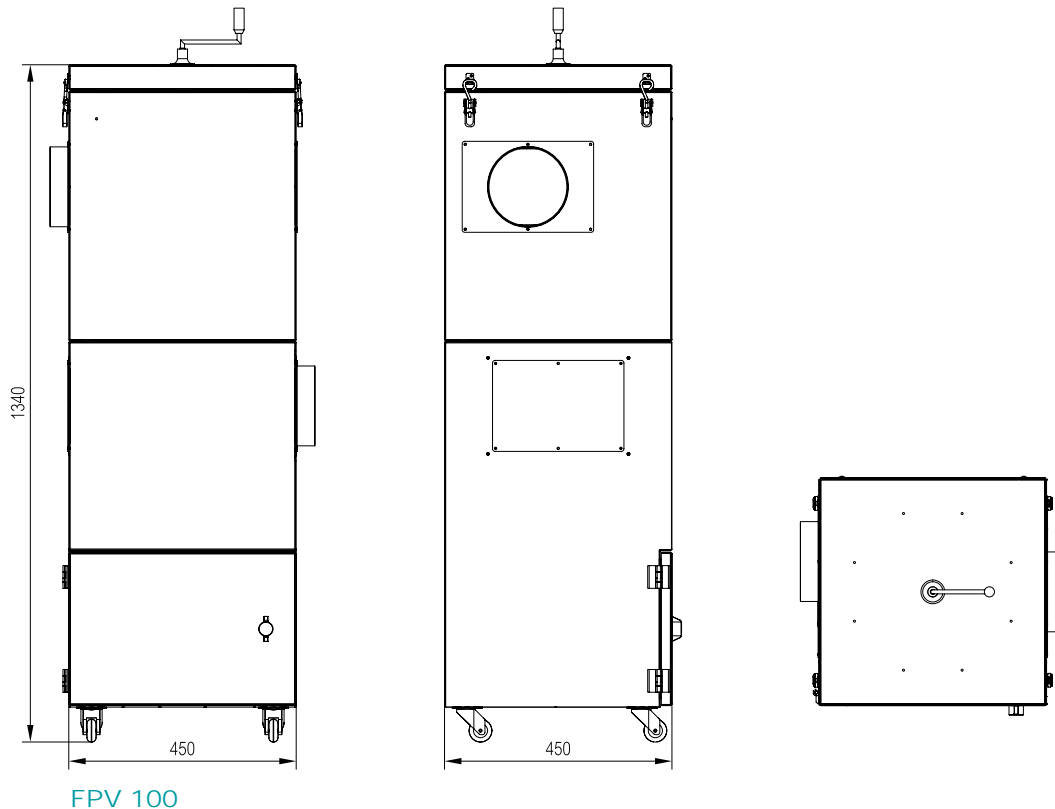
NW (mm)	ART. NO.
NW 80	13711
NW 100	13712
NW 125	13715

AIR INLET/OUTLET  
CONNECTION SET

NW (mm)	
NW 50	13345
NW 80	13346
NW 100	13347
NW 125	13348



## Technical drawings



FPV 100

## OFFICES

OPIRA BRISBANE  
32 DIVIDEND ST  
MANSFIELD, QLD 4122

OPIRA MELBOURNE  
25 GRAHAM RD  
CLAYTON SOUTH, VIC

OPIRA PERTH  
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BOORAGOON WA 6154

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20 DUKE STREET  
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