

DUST COLLECTORS

# AF 55

## INDUSTRIAL DUST COLLECTOR WITH VERY HIGH AIR FLOW RATE



**POWER**  
5,5 kW - 7,5 HP



**APPLICATION**  
Volatile and suspended  
powders

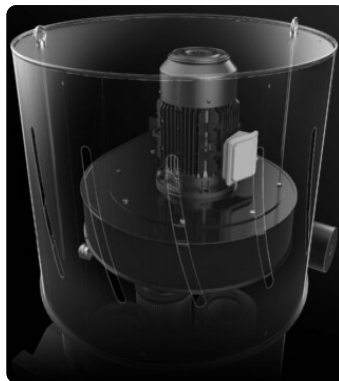


**COLLECTION SYSTEM**  
Localized discharge

## FEATURES

- Fan with very high air flow rate
- Very high filtration capacity with integrated automatic cleaning system
- Easy access for maintenance
- Multiple construction and material discharge options available

## HIGHLIGHTS



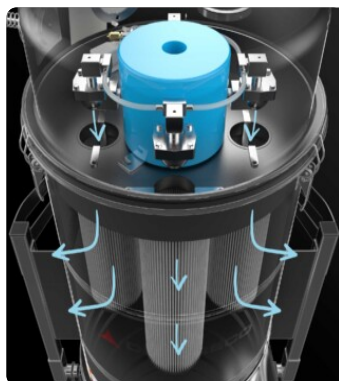
### SUCTION UNIT

Suction is generated by an electric fan specially designed to ensure the best air flow rate while maintaining a good vacuum level.



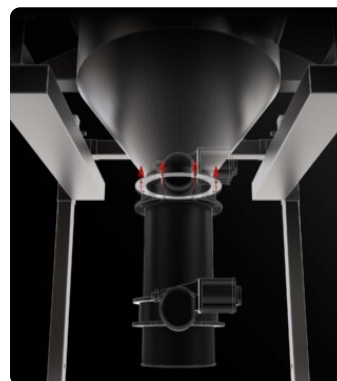
### FILTER UNIT

High-efficiency Class M cartridges ensure maximum dust filtration. A practical hatch facilitates maintenance and replacement operations and avoids the need to remove the cover above, making maintenance operations easier.



### SP FILTER CLEANING SYSTEM

Automatic filter cleaning system in reverse flow of air at 6 bar (compressed air not supplied as standard). Each filter is cleaned at regular, alternately adjustable intervals without interrupting suction. Ideal for fine and difficult dust.



### CUSTOM EXHAUST SYSTEM

A specific discharge system, intermittent or continuous, can be installed depending on operational needs.

## TECHNICAL DATA

### MOTOR

Typologies	Electric Fan
Power	5,5 kW - 7,5 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	517 mBar
Static depression level	480 mmH2O
Maximum air flow	2700 m3/h
Noise level	75 dB(A)

### MACHINE

Suction inlet	200 Ø mm
Collection system	Conveyed discharge
Dimensions	1402 x 1130 mm
Height	4279 mm
Compact height	2580 mm
Weight	432 Kg
Forklift support	Included

### FILTRATION

Primary filter type	4x Cartridges
Filter surface	340000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Automatic SP

## FEATURES



**PLUG**  
4-pole industrial plug



**ANTISTATIC FILTRATION**  
Antistatic filtration to discharge static energy



**VACUUM GAUGE**  
Vacuum gauge for indication of filter clogged or in need of replacement



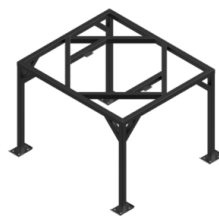
**POWER SUPPLY CABLE**



**STEEL CONSTRUCTION**  
Rugged industrial coated steel construction



**CYCLONIC EFFECT**  
Tangential inlet and cyclone installed



**STR**  
Four legs to discharge in big bag



**SP**  
Automatic reverse jet cleaning system

## OPTIONS

### STRUCTURE AND OPTIONS

**60<sup>Hz</sup>**

**60HZ**  
Available in 60Hz version



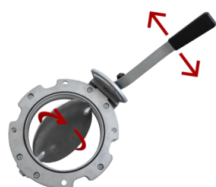
**3 YEARS WARRANTY**  
Purchasing the replacement filter along with the vacuum



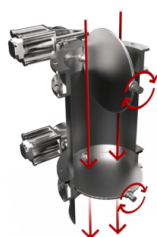
**ELECTRICAL PANEL**  
Electrical panel, implementable with additional functions



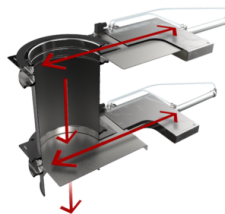
**DISCHARGE WITH COUNTERBALANCED FLAP**  
The material is automatically discharged every time suction is stopped.



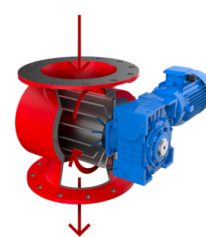
**DISCHARGE WITH BUTTERFLY VALVE**  
Manual intermittent discharging system with butterfly valve  
Manual discharging butterfly valve



**DOUBLE PNEUMATIC DISCHARGE WITH BUTTERFLY VALVES**  
System with valves that open alternately to allow the material to be discharged and the vacuum to be maintained at the same time.  
Double electro pneumatic discharging butterfly valve ATEX



**DOUBLE DISCHARGE WITH ELECTRO-PNEUMATIC DAMPERS**  
System with dampers that open alternately to allow the material to be discharged and the vacuum to be maintained at the same time.



**ROTARY VALVE FOR CONTINUOUS DISCHARGE**  
The valve rotates continuously allowing a constant and uniform discharge of the aspirated material.  
Rotary valve for continuous hopper discharge



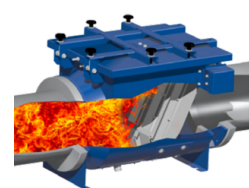
**ROTARY LEVEL SENSOR**  
Sensor with rotating paddle that sends a signal when the container is full to immediately stop suction



**PANEL VENT FOR DIRECTIONAL EXPLOSION**  
An explosion vent designed to break at a specific pressure and release the explosive pressure in a safe area.  
Panel vent for explosion



**FLAMELESS VENT**  
A valve that contains the flame and the overpressure generated by a possible explosion.



**NON-RETURN VALVE**  
Isolates explosion and prevents it from spreading from the industrial vacuum to the pipe