

DUST COLLECTORS

AF 40

INDUSTRIAL DUST COLLECTOR WITH VERY HIGH AIR FLOW RATE



POWER
4 kW - 5,5 HP



APPLICATION
Volatile and suspended
powders

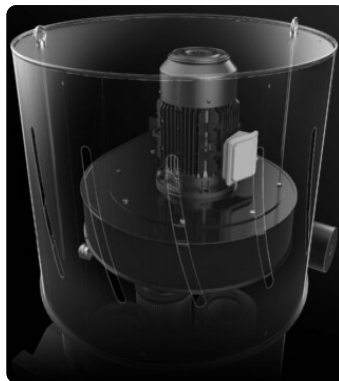


COLLECTION SYSTEM
Localized discharge

FEATURES

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

HIGHLIGHTS



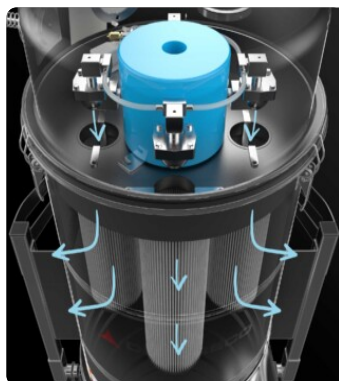
SUCTION UNIT

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



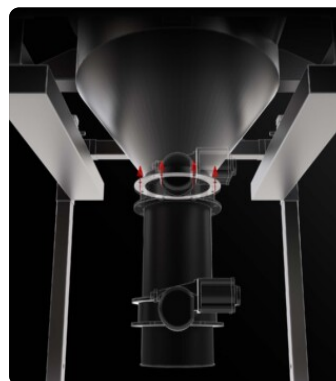
FILTER UNIT

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	4 kW - 5,5 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	340 mBar
Static depression level	270 mmH2O
Maximum air flow	2200 m3/h
Noise level	73 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	409 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



ELECTRICAL PANEL

Electrical panel, implementable with additional functions



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

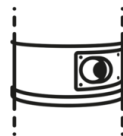


POWER SUPPLY CABLE



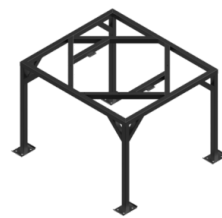
STEEL CONSTRUCTION

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^{Hz}

60HZ

Available in 60Hz version



3 YEARS WARRANTY

Purchasing the replacement filter along with the vacuum



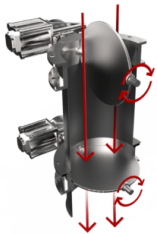
DISCHARGE WITH COUNTERBALANCED FLAP

The material is automatically discharged every time suction is stopped.



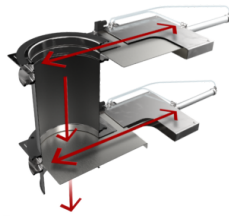
DISCHARGE WITH BUTTERFLY VALVE

Manual intermittent discharging system with butterfly valve
Manual discharging butterfly valve



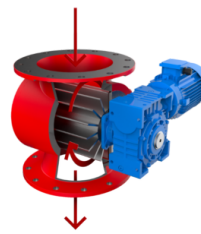
DOUBLE PNEUMATIC DISCHARGE WITH BUTTERFLY VALVES

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



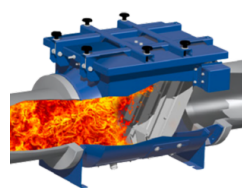
PANEL VENT FOR DIRECTIONAL EXPLOSION

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