

CENTRAL VACUUM SYSTEMS

# HF 18

## POWERFUL INDUSTRIAL VACUUM CLEANER WITH FIXED STRUCTURE



**POWER**  
12,5 kW - 18 HP



**APPLICATION**  
Powders, solids and  
shavings

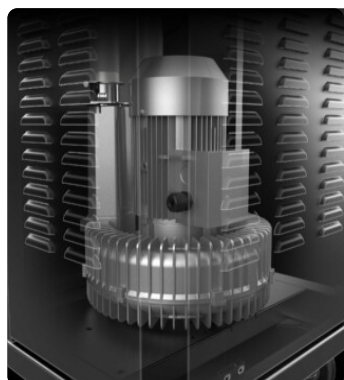


**COLLECTION SYSTEM**  
Localized discharge

## FEATURES

- Powerful side channel blower
- Ideal for on-board machine applications
- Convenient manual filter shaker
- Multiple construction and material discharge options available

## HIGHLIGHTS



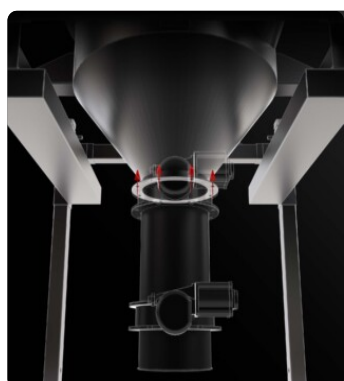
### SUCTION UNIT

The suction unit is a side channel blower with direct coupling between motor and impeller. The turbine is equipped with a safety valve to ensure continuous, maintenance-free work. A metal silencer is included as standard in the turbine to ensure a low noise level.



### FILTER UNIT

The tangential inlet facilitates the cyclonic effect to deposit the collected material in the container. Filtration is ensured by a polyester star filter in class M (filtering efficiency 1 micron) with high filtering surface area, which guarantees air passage even with a dirty filter.



### CUSTOM EXHAUST SYSTEM

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



### ELECTRICAL PANEL WITH REMOTE START

Management via electrical panel equipped with star/delta start and remote control. Implementable with additional functions

## TECHNICAL DATA

### MOTOR

Typologies	Side channel blower
Power	12,5 kW - 18 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	290 mBar
Maximum air flow	1120 m3/h
Insulation class	55   F IP
Noise level	74 dB(A)
Remote control	Free connector available
Electrical panel	Included

### MACHINE

Suction inlet	100 Ø mm
Collection system	Conveyed discharge
Discharge diameter	250 Ø mm
Dimensions	1240 x 1910 mm
Height	3488 mm
Safety valve	Pressure relief valve

### FILTRATION

Primary filter type	Star
Filter surface	45000 cm2
EN 60335-2-69 filtration class	M
Media	Polyester
Filter Cleaning System	Automatic PSC

## FEATURES



### ELECTRICAL PANEL

Electrical panel, implementable with additional functions



### PLUG

4-pole industrial plug



### VACUUM GAUGE

Vacuum gauge for indication of filter clogged or in need of replacement



### POWER SUPPLY CABLE



### STEEL CONSTRUCTION

Rugged industrial coated steel construction



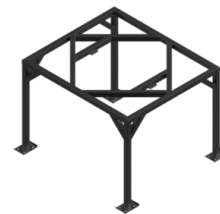
### CYCLONIC EFFECT

Tangential inlet and cyclone installed



### PRV

Pressure relief valve installed



### STR

Four legs to discharge in big bag

## OPTIONS

### AVAILABLE FILTER CLEANING SYSTEMS



### SP

Automatic reverse jet cleaning system  
Antistatic M class filter (EN 60335-2-69), 4  
Polyester filter cartridges, 12 m<sup>2</sup> filter surface

## AVAILABLE FILTER MEDIA



### HEPA 14

Absolute filter (EN 1822)  
110.000 cm<sup>2</sup> filter surface  
H14 Class Filter (EN 1822)  
Glass fiber

## STRUCTURE AND OPTIONS

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

### 60HZ

Available in 60Hz version



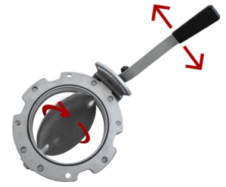
### 3 YEARS WARRANTY

Purchasing the replacement filter along with the vacuum



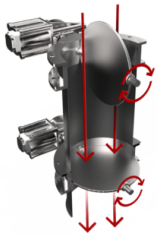
### DISCHARGE WITH COUNTERBALANCED FLAP

The material is automatically discharged every time suction is stopped.



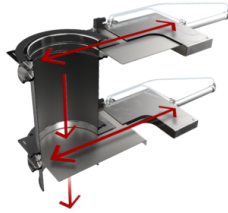
### DISCHARGE WITH BUTTERFLY VALVE

Manual intermittent discharging system with butterfly valve  
Manual discharging butterfly valve



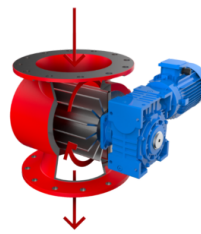
### DOUBLE PNEUMATIC DISCHARGE WITH BUTTERFLY VALVES

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