

CENTRAL VACUUM SYSTEMS

HF 15 S

POWERFUL INDUSTRIAL VACUUM CLEANER WITH FIXED STRUCTURE



POWER
11 kW - 15 HP



APPLICATION
Powders, solids and
shavings

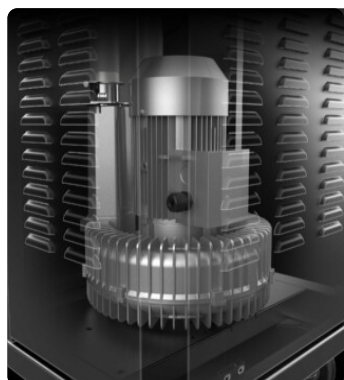


COLLECTION SYSTEM
Localized discharge

FEATURES

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

HIGHLIGHTS



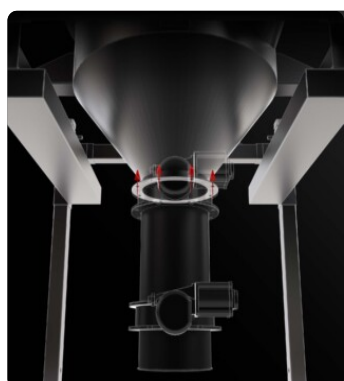
SUCTION UNIT

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 | 11 kW - 15 HP |
| Frequency | 50/60 Hz |
| Voltage | 400 V |
| Vacuum in continuous run | 440 mBar |
| Maximum air flow | 550 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



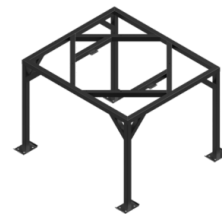
CYCLONIC EFFECT

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 m² filter surface

AVAILABLE FILTER MEDIA



HEPA 14

Absolute filter (EN 1822)
110.000 cm² filter surface
H14 Class Filter (EN 1822)
Glass fiber

STRUCTURE AND OPTIONS

60^{Hz}

60HZ

Available in 60Hz version



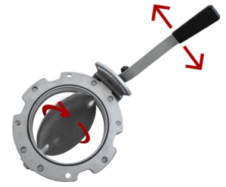
3 YEARS WARRANTY

Purchasing the replacement filter along with the vacuum



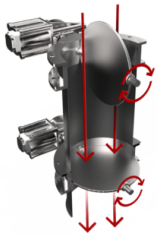
DISCHARGE WITH COUNTERBALANCED FLAP

The material is automatically discharged every time suction is stopped.



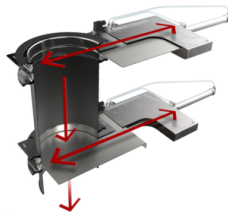
DISCHARGE WITH BUTTERFLY VALVE

Manual intermittent discharging system with butterfly valve
Manual discharging butterfly valve



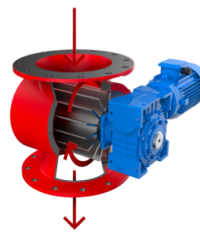
DOUBLE PNEUMATIC DISCHARGE WITH BUTTERFLY VALVES

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