

ATEX AND ACD VACUUM CLEANERS

# HF 20 3D

## STATIONARY ATEX INDUSTRIAL VACUUM CLEANER



**POTENZA**  
15 kW - 20 HP



**APPLICAZIONE**  
Powders, solids and  
shavings

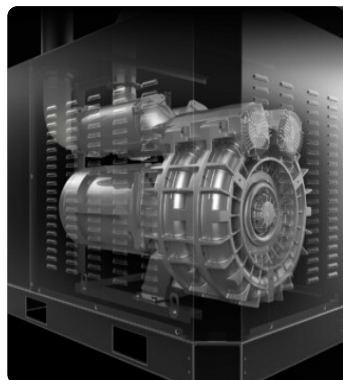


**TIPO DI RACCOLTA**  
Localized discharge

## VANTAGGI

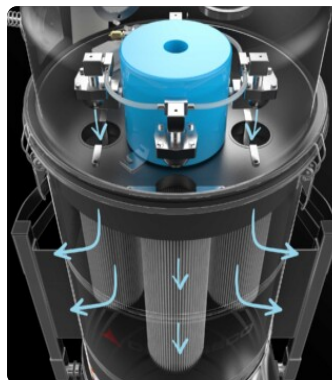
- Powerful Atex-certified side channel blower
- Ideal for on-board machine applications
- SP automatic filter cleaning system
- Multiple construction and material discharge options available

## HIGHLIGHTS



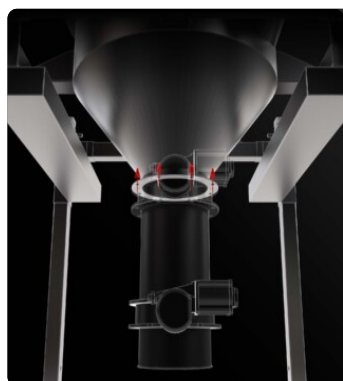
### SUCTION UNIT

The suction unit is a manufacturer-certified Atex side channel blower with direct coupling between motor and impeller. The Side Channel Blower is equipped with a safety valve that ensures continuous work, without any maintenance.



### 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.



### ELECTRICAL PANEL WITH REMOTE START

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

## TECHNICAL DATA

### MOTORE

Tipologie	Atex side channel blower
Potenza	15 kW - 20 HP
Frequenza	50/60 Hz
Voltaggio	400 V
Vuoto in continuo	350 mBar
Massima portata d'aria	920 m3/h
Classe di isolamento	55   F IP
Livello di rumorosità	74 dB(A)
Controllo Remoto	Free connector available
Quadro elettrico	Included

### MACCHINA

Marcatura ATEX	II 3D Ex htc IIB T140°C Dc
Categoria EX	3D
Temperatura di utilizzo	-10/+40 C°
Bocca aspirante	100 Ø mm
Sistema di raccolta	Conveyed discharge
Diametro scarico	250 Ø mm
Dimensioni	1240 x 1910 mm
Altezza	3488 mm
Valvola di sicurezza	Pressure relief valve

### FILTRAZIONE

Tipologia filtro primario	4x Cartridges
Superficie filtrante	120000 cm2
Classe filtrazione EN 60335-2-69	M
Media	Antistatic polyester
Sistema Pulizia filtro	Automatic SP

## DOTAZIONI



**ATEX CERTIFICATION**



**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



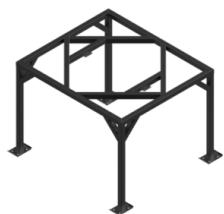
**CYCLONIC EFFECT**

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



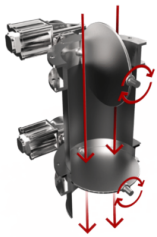
### DISCHARGE WITH COUNTERBALANCED FLAP

The material is automatically discharged every time suction is stopped.



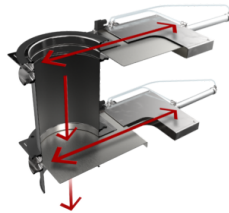
### DISCHARGE WITH BUTTERFLY VALVE

Manual intermittent discharging system with butterfly valve  
Manual discharging butterfly valve



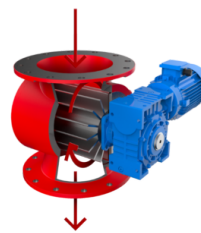
### DOUBLE PNEUMATIC DISCHARGE WITH BUTTERFLY VALVES

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



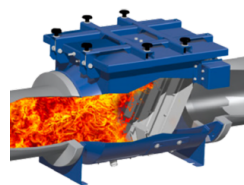
### PANEL VENT FOR DIRECTIONAL EXPLOSION

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