

HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

# PUMA 20 SP

## HIGH-POWER INDUSTRIAL VACUUM CLEANER WITH AUTOMATIC CLEANING



**POWER**  
15 kW - 20 HP



**APPLICATION**  
Fine, dry and clogging  
powders



**CAPACITY**  
175Lt

## FEATURES

- High performance even in continuous use
- Possibility of vacuuming fine dust in large quantities
- Multiple construction options available
- Can be integrated into centralized vacuum systems

## HIGHLIGHTS



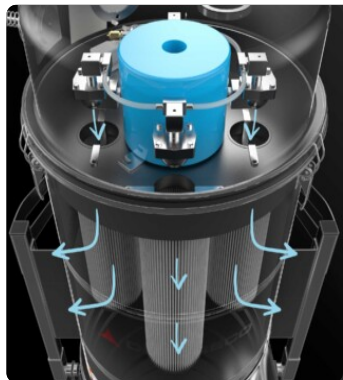
### SUCTION UNIT

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

Filtration is ensured by polyester cartridge filters in class M (filtration efficiency 1 micron) with high filtering surface area, which guarantees the passage of air even with dirty filter.



### 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.



### COLLECTION UNIT

The material is collected inside a coated bin complete with a handle that allows it to be released. Thanks to the 4 sturdy pivoting wheels, the bin can be moved with ease and the collected material can then be disposed of.

## TECHNICAL DATA

### MOTOR

Typologies	Side channel blower
Power	15 kW - 20 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	350 mBar
Maximum air flow	950 m3/h
Insulation class	55   F IP
Noise level	74 dB(A)
Remote control	Free connector available

### MACHINE

Suction inlet	100 Ø mm
Collection system	Steel container
Capacity	175 Lt
Dimensions	850 x 1550 mm
Height	1980 mm
Weight	350 Kg
Safety valve	Pressure relief valve
Forklift support	Included

### FILTRATION

Primary filter type	4x Cartridges
Filter surface	120000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Automatic SP

## FEATURES



### VACUUM GAUGE

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



### POWER SUPPLY CABLE



### PLUG

4-pole industrial plug



### WHEEL WITH BRAKE

Non-marking wheel with integrated brake



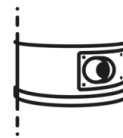
### WHEELS

Non-marking pivoting wheels



### STEEL CONSTRUCTION

Rugged industrial coated steel construction



### CYCLONIC EFFECT

Tangential inlet and cyclone installed



### PRV

Pressure relief valve installed



### ELECTRICAL PANEL

Electrical panel, implementable with additional functions

**OPTIONS**
**AVAILABLE FILTER CLEANING SYSTEMS**

**COM**

Compressor on board  
 Compressor fitted on the back cover

**AVAILABLE FILTER MEDIA**

**HEPA 14**

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


**PTFE ANT**

Antistatic PTFE filter (M class EN 60335-2-69)


**PTFE**

PTFE Filter (M class EN 60335-2-69)


**NOMEX**

250° Celsius resistant filter


**MTF**

Teflon filter (M class EN 60335-2-69)


**ANT M**

Antistatic filter (M class EN 60335-2-69)

## STRUCTURE AND OPTIONS

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

**60HZ**  
Available in 60Hz version



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



**ATEX CERTIFICATION**



**CONTAINER EMPTYING KIT**  
System for easy container emptying using forklift lifting.



**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.



**GRD**  
Grounding



**GFR**  
Lifting eyebolts



**FKL**  
Forklift bracket



**BX**  
Stainless steel bin AISI 304



**GX**  
Stainless steel bin and chamber AISI 304



**RC**  
Remote control 24V ON/OFF

## ACCESSORIES



**P12348**  
**DRY KIT Ø 70MM**  
Kit containing specific accessories for 70 mm diameter dust and solids vacuuming