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
175 Lt

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



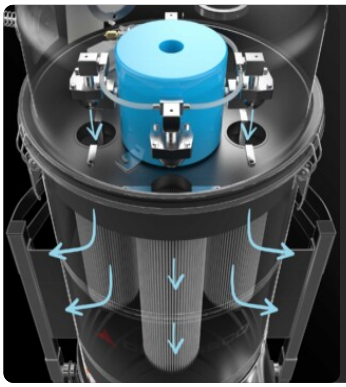
SUCTION UNIT

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



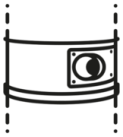
WHEEL WITH BRAKE
Non-marking wheel with integrated brake



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



PTFE ANT
Antistatlc 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



60HZ
Available in 60Hz version



3 YEARS WARRANTY
Purchasing the replacement filter along with the vacuum



ATEX CERTIFICATION



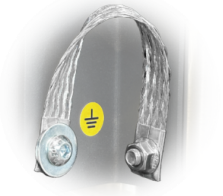
CONTAINER TILTABLE KIT
System for easy container emptying using forklift lifting.



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
Large-diameter configuration for removing bulky debris and heavy dust in industrial settings. - 5-meter reinforced polyurethane hose - 2 ...