

## SCHEDA TECNICA

# PUMA 20 INDUSTRIAL VACUUM

## ASPIRATORI INDUSTRIALI TRIFASE AD ALTA POTENZA

The **Puma 20** is an **industrial vacuum** from **Depureco's medium-large power three-phase range**. It has a **high airflow high quality** Made in Italy double-stage **side channel blower** in parallel that ensures a maximum flow rate of **950 m<sup>3</sup>/h**. The vacuum **breaker safety valve** is installed as standard. The **tangential intake** with the **sturdy cyclone** welded inside the filter chamber guarantee **excellent efficiency** even with the **finest dust**. The material, entering tangentially, meets the cyclone and due to the friction generated, loses speed and falls directly into the **container**. This system is extremely useful to **protect the filter** from the vacuumed material. The filter is in **Class M** high grammage polyester (certified by BIA Berufsgenossenschaftliches Institut für Arbeitssicherheit) with a **1µ filtration efficiency**. The filter can be customized to a specific application. For this **vacuum cleaner**, **anti-static filters** are available to prevent electrostatic charges, in **NOMEX** to withstand high temperatures (up to 250°C), **Teflon** coated to work with wet materials and with **PTFE** nanotechnology treatment to work with the most **difficult dust**. The **PUMA 20 industrial vacuum** is equipped with a **manual filter cleaning system**. The filter can be shaken easily and effectively with the lever on the top of the vacuum. The vacuum can be configured with an automatic filter cleaning system on demand. Namely, there is a choice between **jet pulse cleaning**, **electro-pneumatic piston filter shaker**, or **electrical filter shaker**. **Depureco's PUMA 20** model is equipped with a handy and sturdy **175 L container**, fitted with a release system, which allows the operator to collect the **vacuumed material** and conveniently dispose of it. To facilitate handling the container, there are 4 castor wheels mounted on reinforced supports so that it can be handled easily even when it contains several kg of material. A kit is available on-demand for handling and unloading the container with a forklift.

**POTENZA**  
15 kW**SUPERFICIE**  
45.000 cm<sup>2</sup>**CAPACITÀ**  
175 Lt

## HIGHLIGHTS



### SUCTION UNIT

The suction unit is a side channel blower with direct coupling between motor and impeller. The side channel blower is equipped with a safety valve to guarantee continued work in complete safety, without any maintenance. The blower is also equipped with a metal silencer to maintain a low noise level.



### FILTERING ELEMENT

The filtration is guaranteed by an M class polyester filter. The star shape enables air to flow through the filter even when it is dirty. The fabric of the filter is classified as M Class (B1A | EN 60335-2-69). This means that all particles till 1 micron are stopped by the filter so as to protect the blower and the operator around the vacuum cleaner.



### INLET

The tangential inlet is designed to ease the process of pushing the material down the bin. A sturdy metal cyclone welded inside the chamber slows the material's entry speed considerably down so that it falls directly inside the bin. This way, the filter is efficiently protected, minimising clogging risk.



### COLLECTION BIN

The material is collected inside a painted container equipped with a metal handle which enables the bin to be detached from the machine. Thanks to its 4 swiveling wheels, the bin can be easily moved and emptied. Each wheel is reinforced to guarantee maximum stability during handling.

## DATI TECNICI

### MOTORE

|                        |                     |
|------------------------|---------------------|
| Tipologia              | side channel blower |
| Voltaggio              | 400V                |
| IP                     | 55                  |
| Vuoto in continuo      | 350mBar             |
| Massima portata d'aria | 950m3/h             |
| Valvola di sicurezza   | included            |
| Livello di rumorosità  | 74dB(A)             |
| Frequenza              | 50/60Hz             |
| Potenza                | 20HP                |
| Classe di isolamento   | F                   |

### FILTRO PRIMARIO

|                      |               |
|----------------------|---------------|
| Tipologia            | star filter   |
| Classe EN 60335-2-69 | M Class       |
| Media                | polyester     |
| Pulizia filtro       | manual shaker |

### MACCHINA

|                 |               |
|-----------------|---------------|
| Bocca aspirante | 100Ø mm       |
| Dimensioni      | 850 x 1.550mm |
| Altezza         | 1.980mm       |
| Peso            | 350Kg         |
| Ciclone conico  | Incluso       |

**OPZIONI**

**MEDIA FILTRANTE DISPONIBILE**

**ANT M**  
 Filtro antistatico (Classe M EN 60335-2-69)

**MTF**  
 Filtro teflonato (Classe M EN 60335-2-69)

**NOMEX**  
 Filtro resistente 250° Celsius

**PTFE**  
 Filtro PTFE (Classe M EN 60335-2-69)

**PTFE ANT**  
 Filtro PTFE antistatico (Classe M EN 60335-2-69)

**HEPA 14**  
 Filtro assoluto (EN 1822)  
 110.000 cm² superficie filtrante  
 Classe H14 (EN 1822)  
 Fibra di vetro

**OPZIONI**

**SISTEMI DI PULIZIA FILTRO DISPONIBILI**

**COM**  
 Compressore a bordo  
 Compressore montato su carenatura posteriore

**PSC**  
 Scuotifiltro Pneumatico

**SE**  
 Scuotifiltro Elettrico

**SP**  
 Pulizia cartucce in controcorrente d'aria  
 Filtro antistatico classe M (EN 60335-2-69)  
 4 Filtri poliestere antistatici  
 12 m² superficie filtrante

**OPZIONI**
**ALTRE OPZIONI**

**BX**  
 Contenitore in acciaio INOX AISI 304

**GX**  
 Camera e contenitore acciaio INOX AISI 304

**FKL**  
 Supporto sollevamento per muletto

**GFR**  
 Golfari

**GRD**  
 Messa a terra

**RC**  
 Controllo remoto 24 V ON/OFF

## ACCESSORI



**P00283**

**TERMINALE IN ACCIAIO Ø 100/70MM**

Riduzione per innesto rapido aspiratore in acciaio zincato diametro 100/70 mm



**P00283**

**TERMINALE IN ACCIAIO Ø 100/70MM**

Riduzione per innesto rapido aspiratore in acciaio zincato diametro 100/70 mm