

## TECHNICAL SHEET

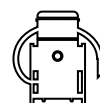
# INDUSTRIAL VACUUM DF 075 Z2-Z22 II3GD

## ATEX Z2-Z22

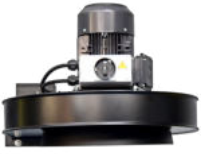
The DF 075 Z2-Z22 is an ATEX Z22 certified industrial vacuum cleaner with a three-phase fan that allows you to vacuum volatile or suspended dust with an articulated arm or extraction hood. Inside the vacuum cleaner there is a large surface filter in antistatic polyester (24,000 cm<sup>2</sup>), M class certified, with a filtration efficiency of 1 micron, to vacuum electrostatically charged dust in total safety. In addition, it is possible to install an H14 filter for situations that require the suction of the finest dust. To clean the filter there is a very effective manual filter cleaning system as standard. Thanks to a lever outside the filtering chamber, the operator is able to shake the filter and deposit the dust directly in the collection container. On request, it is possible to install an automatic piston filter shaking system or a counter-current filter cleaning system. The unit is equipped with a release container on wheels with a capacity of 65Lt in AISI 304 stainless steel.

**POWER**

0,75 kW

**SURFACE**24.000 cm<sup>2</sup>**CAPACITY**

65/100 Lt



### SUCTION UNIT

The vacuum is generated by an ATEX certified electric fan designed specifically to guarantee the best air flow while maintaining a good level of depression.



### 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 (BIA | 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 DEFLECTOR

The inlet deflector is specifically designed to convey the material towards the container. Connection flanges or reduction flanges of different diameters (100 - 200 mm) can be attached to the deflector according to requirements.



### COLLECTION BIN

The vacuumed material is collected in an AISI 304 stainless steel container, equipped with a metal handle that enables the bin to be detached from the machine, to avoid any spark that could be generated by the electrostatic charge. Thanks to the 4 sturdy pivoting wheels, the bin can be moved very easily to then dispose of the collected material. Each wheel is reinforced to guarantee maximum stability during handling.

## TECHNICAL DATA

| ENGINE                          |                                      | PRIMARY FILTER      |                      | MACHINE       |                     |
|---------------------------------|--------------------------------------|---------------------|----------------------|---------------|---------------------|
| Suction type                    | fan                                  | Type                | star filter          | Inlet         | 70   100   120 Ø mm |
| ATEX Marking                    | II 3 G/D Ex htc IIIB<br>T140°C Gc/Dc | Class EN 60335-2-69 | M Class              | Dimensions    | 660 x 800 mm        |
| Voltage                         | 400 V                                | Media               | antistatic polyester | Height        | 1630                |
| IP                              | 55                                   | Filter cleaning     | manual shaker        | Weight        | 80 Kg               |
| Maximum air flow                | 400   800   1000 m <sup>3</sup> /h   |                     |                      | Conic cyclone | incluso             |
| Noise level - (EN ISO 3744)     | 65 dB(A)                             |                     |                      |               |                     |
| Frequency                       | 50/60 Hz                             |                     |                      |               |                     |
| Power                           | 1 HP                                 |                     |                      |               |                     |
| Insulation class                | F                                    |                     |                      |               |                     |
| Maximum vacuum                  | 180   160   130 mm/H <sub>2</sub> O  |                     |                      |               |                     |
| Available static inlet pressure | 180   150   123                      |                     |                      |               |                     |

## OPTIONS

### AVAILABLE FILTER CLEANING SYSTEMS



**PSC**  
Semiautomatic pneumatic filter shaker



**SP**  
Automatic reverse jet cleaning system Antistatic M class filter (EN 60335-2-69), 3 Polyester filter cartridges, 9 m<sup>2</sup> filter surface

## OPTIONS

### AVAILABLE FILTER MEDIA



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

## OPTIONS

### STRUCTURE AND OPTIONS



**100 LT**  
100 Lt bin



**BX**  
Stainless steel bin AISI 304



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

ACCESSORY



**P12370**

ATEX certified stainless steel suction arm  $\varnothing$  150mm/ L 3m  
150mm diameter suction arm jointed in three parts for a total length of 3 metres. Construction in AISI 316 stainless steel, completely conductive and ATEX certified for working with certified vacuum cleaners and in ATEX classified environments. On request the ATEX arm can be supplied entirely in grade 316 stainless steel suitable for food, chemical and pharmaceutical industries



**P10095**

Galvanized metal clamp  $\varnothing$  100mm  
Metal clamp with galvanised steel screw  
100 mm diameter



**P12358**

Galvanized metal clamp  $\varnothing$  120mm  
Metal clamp with galvanised steel screw  
120 mm diameter



**P12359**

Galvanized metal clamp  $\varnothing$  150mm  
Metal clamp with galvanised steel  
screw 150 mm diameter



**P12300/100**

Flanged reduction for hose  $\varnothing$  100mm  
Coupling flange on DF industrial vacuum for 100 mm  
diameter flexible hose



**P12300/120**

Flanged reduction for hose  $\varnothing$  120mm  
Coupling flange on DF industrial vacuum for  
120 mm diameter flexible hose



**P12300/150**

Flanged reduction for hose  $\varnothing$  150mm  
Coupling flange on DF industrial vacuum for  
150 mm diameter flexible hose



**P12334**

Flanged reduction for arm  $\varnothing$  160mm  
Coupling flange on DF industrial  
vacuum for 160 mm diameter flanged  
arm



**P12335/70**

"Y" reducer for DF  $\varnothing$  70/70mm  
70mm diameter "Y" reducer for DF industrial vacuums



**P12335/100**

"Y" reducer for DF  $\varnothing$  100/100mm  
100mm diameter "Y" reducer for DF  
industrial vacuums



**P12335/120**

"Y" reducer for DF  $\varnothing$  120/120mm  
120mm diameter "Y" reducer for DF  
industrial vacuums