

# ATEX CERTIFIED INDUSTRIAL VACUUM CLEANER FOR EXPLOSIVE DUSTS

## ZEFIRO 75 Z22 INERT

ATEX Certified Industrial Vacuum Cleaner for sucking up fine dust. Equipped with a powerful three-phase turbine, a large 2 m<sup>2</sup> polyester filter and 100L container, making it perfect for extracting dust, solids and liquids simultaneously in any industrial application.

State-of-the-art design and handy accessories compartment make it an all-purpose tool that's easy to use and move around in areas of use.



### SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It is designed without any transmission system, and is therefore silent, totally maintenance free and suitable for continuous duty operations.



### FILTRATION UNIT

It is possible to clean the filter using an integrated mechanical system: an external lever shakes the filter vertically and enables the user to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment.



### COLLECTION UNIT

The vacuum is assembled onto a sturdy steel chassis, and provided with industrial quality wheels, that make it suitable for mobile service even when used on rough surfaces. Thanks to a discharge valve, it is possible to easily and safely empty the container. The container contains a liquid bath inerting system that makes it possible to prevent fires/explosions due to flammable powders such as aluminium or titanium. The appropriate liquid must be used depending on the type of explosive powder. The vessel contains a stainless steel quick-lock deflector, a PPL separation filter to reuse oil for the next cleaning cycle, and a demister to prevent the oil mist from being sucked into the main filter. A pressure relief valve prevents the risk of accumulation of explosive gas in a vacuum.

### Main Features:

- Side channel blower motor
- Powerful and silent
- Totally maintenance free
- Suitable for continuous duty
- Foam filter for protection of motors from liquid mist
- High filtration efficiency
- ATEX certified for Zone 22
- Conceived for fine and hazardous dust suction
- Earth grounding



### MODELS AND DATASHEET

MODELS	Zefiro 75 Z22 INERT
ATEX Zones	22
Power (V - Hz)	400 - 50 3~
Power (Kw)	3
Max Waterlift (mmH20)	3000
Max Airflow (m3/h)	350
Suction Inlet (mm)	80
Noise Level (EN ISO 3744) - dB(A)	75
Filter Type	Star
Surface Diameter (cm2-mm)	20,000 - 500
Cleaning System	Manual
Liquid Filter	PPL
Oil Mist Fibre Filter	X3
Collection Tank	Interchangeable
Dust Capacity (Litres)	27
Dimensions (cm)	79 x 66 x 170H
Weight (kg)	105



ORIGINAL EQUIPMENT MANUFACTURING



ADDITIVE MANUFACTURING



EXPLOSIVE & CONDUCTIVE DUSTS