

ZFR 75 INERT Z22 - ATEX EXPLOSION PROOF



OEM ORIGINAL EQUIPMENT MANUFACTURER



ADDITIVE MANUFACTURING



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ High filtration efficiency
- ✓ Atex certified for Zone 22
- ✓ Conceived for fine and hazardous dust suction
- ✓ Earth grounding
- ✓ Inert liquid bath system for the safe discharge of explosive and conductive metal dust
- ✓ Easily removable container for safe disposal of collected material
- ✓ Prevents the build-up of the explosive atmosphere inside the vacuum
- ✓ Suitable for continuous use 24/7
- ✓ Compliant with EN 17348: WET TYPE



SUCTION UNIT

Power	kW	3
Max water lift	mmH ₂ O	3.000/2.300
Max air flow	m ³ /h	318
Suction inlet	mm	50
Noise level (EN ISO 3744)	dB(A)	75
Atex zones	3D (20 int/22 ext)	
Marking	II 3D Ex h tc IIIC T80°C (int) / T165°C (ext) Dc	
Use zone	Hazardous location	



FILTER UNIT

Filter Type	Star
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VOLUME

Dimensions	cm	79x66x170h
Weight	kg	95



SUCTION UNIT

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



FILTER UNIT

It is possible to clean the filter using an integrated mechanical system: an external lever shakes the filter vertically and enables 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 is designed for an inertizing oil bath (oil not included with the vacuum cleaner) that prevents explosions due to the presence of flammable dust such as aluminum or titanium. The inertizing liquid must be chosen based on the dust to be aspirated. The container includes a stainless steel deflector, a PPL filter to separate the dust and allow the oil reuse, and 3 filtration layers for oily mists. An overpressure valve prevents the risk of explosive atmospheres forming inside the container. The vacuum cleaner is built on a sturdy steel structure and equipped with robust industrial wheels, allowing easy movement even when used on uneven surfaces.