

EXP 50 INERT - ATEX EXPLOSION PROOF



OEM ORIGINAL EQUIPMENT MANUFACTURERS



ADDITIVE MANUFACTURING



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ 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
- ✓ 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



SUCTION UNIT

Atex zones	ATEX Z22	
Marking	Ex II 3D Ex tc IIIB T135°C X Dc	
Voltage	V - Hz	400 - 50 3~
Power	kW	4 - 8,4
Max water lift	mmH ₂ O	3.200 - 2.600
Max air flow	m ³ /h	420
Suction inlet	mm	50
Noise level (EN ISO 3744)	dB(A)	72



FILTER UNIT

Filter Type	Star	
Surface - Diameter	cm ² -mm	30.000 - 500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M



COLLECTION UNIT

Capacity	l	44
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VOLUME

Dimensions	cm	66x118x145h
Weight	kg	140



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

The large surface star filter, located inside the filter stainless steel chamber, is made of polyester and provides high resistance against clogging and passage of fine dust. A vacuum gauge enables to check constantly the state of the filter and detect possible clogging, warning the operator that the filter must be cleaned.

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 vacuumed material is collected into a wheeled steel container, which can be extracted for easy disposal and can be used with optional disposable bags, for safer and handier disposal

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.



OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ STAINLESS STEEL CHAMBER
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ ANTISTATIC FILTER CLASS M
- ✓ OIL MISTS FILTER KIT
- ✓ PNEUMATIC AND AUTOMATIC FILTER CLEANING SYSTEM
- ✓ ENDLESS BAG BAGGING SYSTEM
- ✓ CYCLONE FOR FILTER PROTECTION
- ✓ PTFE COATED FILTER CLASS M
- ✓ POWER CABLE AND PLUG