

451 BL INERT - ATEX EXPLOSION PROOF



OEM ORIGINAL EQUIPMENT MANUFACTURERS



CERAMICS AND POTTERY INDUSTRIES



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ High filtration efficiency
- ✓ Stainless steel AISI304 collection tank
- ✓ Earth grounding
- ✓ ATEX-certified Z22
- ✓ Motor with very long service life
- ✓ 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
- ✓ High efficiency filtration
- ✓ Inert container marked: Ex II 3D h IIIC T85°C X Dc



SUCTION UNIT

Atex zones	ATEX Z22	
Marking	Ex II 3D Ex tc IIIC T135°C X Dc	
Voltage	V - Hz	230 - 50 1~
Power	kW	1,1
Max water lift	mmH ₂ O	2.250
Max air flow	m ³ /h	215
Suction inlet	mm	50
Noise level (EN ISO 3744)	dB(A)	77



FILTER UNIT

Filter Type	Star	
Surface - Diameter	cm ² -mm	20.000 - 420
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Liquid filter	PPL	
Oil mist fiber filter	3x	



COLLECTION UNIT

Collection tank		
Capacity	l	10,5
Dust capacity	l	5,4



VOLUME

Dimensions	cm	50x63x136h
Weight	kg	62



SUCTION UNIT

The motor head is equipped with a Brushless motor: the lack of carbons allows the use of the machine even in explosive hazardous areas. The motor is protected by a series of filters and it is turned on by an independent switch placed on a soundproofed and robust metal motor head.

The motor head includes a vacuum gauge and tension power lights as standard.



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.

The large surface star antistatic filter, located inside the filter chamber, is made of polyester and provides high resistance against clogging and passage of fine dust.



COLLECTION UNIT

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