

MTL 451 INERT 1/2D - INERT



OEM ORIGINAL EQUIPMENT MANUFACTURERS



CERAMICS AND POTTERY INDUSTRIES



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ Stainless steel AISI304 collection tank
- ✓ 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
- ✓ Compliance to EN IEC 62784:2018 for Zone 22
- ✓ Compliant with EN 17348: WET TYPE
- ✓ Neutralization system for reactive dusts with testing of performance EN17348



SUCTION UNIT

Voltage	V - Hz	115/230 - 50/60 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)	74



FILTER UNIT

Cleaning system	Manual
Additional standard filter	HEPA
1st stage filter	Star
Surface and diameter	20.000-420
Media, class	POLYESTER - ANT M



VOLUME

Dimensions	cm	61x66x133h
Weight	kg	52



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.