







## **451 BL 1/3D - ATEX EXPLOSION PROOF**















Weight

- ✓ Largest surface filter in its category
- ✓ Complete steel construction
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Compact and mobile
- ✓ Easy filter replacement

- ✓ Stainless steel AISI304 collection tank
- ✓ Motor with very long service life
- ✓ Pressure relief valve for motor protection
- ✓ ATEX certified for Zone 20 inside the chamber and for Zone 22 outside the chamber

SUCTION UNIT		
Atex zones		ATEX Z20/21
Marking		II 1/2D Ex h tb IIIC T95°C Da/Db
Voltage	V - Hz	115/230 - 50/60 1~
Power	kW	1,1
Max water lift	mmH□O	2,250
Max air flow	m³/h	215
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	74

FILTER UNIT		
Filter Type		Star
Surface - Diameter	cm²-mm	20.000 - 420
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system		Dustop

COLLECTION UNIT		
Transport capacity	kg/h	45
VOLUME		
Dimensions	cm	58x62x138h

57





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**

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.

The antistatic polyester cartridge filter placed inside the filter chamber guarantees a large filter surface and prevents the clogging of the filter.

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.

The vacuumed material is placed inside an AISI304 stainless steel drop-down bin mounted on wheels, which makes it possible to dispose easily and safely of the vacuumed material.