

## 451 BL 1/2D - ATEX EXPLOSION PROOF



EXPLOSIVE AND CONDUCTIVE DUSTS



- ✓ Largest surface filter in its category
- ✓ Complete steel construction
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Pressure relief valve for motor protection
- ✓ Compact and mobile
- ✓ Easy filter replacement
- ✓ Stainless steel AISI304 collection tank
- ✓ Simultaneous suction of solid, dust and liquid material
- ✓ Motor with very long service life
- ✓ ATEX certified for Zone 20 inside the chamber and for Zone 21 outside the chamber



### SUCTION UNIT

Atex zones	ATEX Z20/21	
Marking	Ex II 1/2D Ex tb IIIC T135°C Da/Db	
Voltage	V - Hz	230 - 50 1~
Power	kW	1,1
Max water lift	mmH <sub>2</sub> O	2.250
Max air flow	m <sup>3</sup> /h	215
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	74



### FILTER UNIT

Filter Type	Star	
Surface - Diameter	cm <sup>2</sup> -mm	20.000 - 420
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system	Manual	



### COLLECTION UNIT

Transport capacity	kg/h	45
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### VOLUME

Dimensions	cm	58x63x135h
Weight	kg	55



## 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

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.

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



## 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.



## OPTIONALS

✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST