



## TS 220 EX1/2D - ATEX EXPLOSION PROOF



OEM ORIGINAL EQUIPMENT MANUFACTURER



CHEMICAL-PHARMACEUTICAL



FINISHING



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Integrated filter cleaning system
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Pressure relief valve for motor protection
- ✓ Compact and mobile
- ✓ ATEX certified for Zone 20 inside the chamber and for Zone 21 outside the chamber
- ✓ Large surface antistatic filter
- ✓ Conceived for fine and hazardous dust suction
- ✓ Additional HEPA filter (99,995% on 0,18 micron) included
- ✓ Stainless steel AISI304 collection tank



### SUCTION UNIT

Atex zones		ATEX Z20/21
Marking		Ex II 1/2D Ex h IIC T160°C Da/Db
Voltage	V - Hz	400 - 50 3~
Power	kW	4
Electrical protection	IP	65
Max waterlift	mmH <sub>2</sub> O	2.700
Max air flow	m <sup>3</sup> /h	320
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	69



### 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
Secondary filter		HEPA



### COLLECTION UNIT

Collection tank		AISI304 Stainless steel
Capacity	l	45



### VOLUME

Dimensions	cm	98x55x125h
Weight	kg	85



## 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.

The suction unit is ATEX certified.



## 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.

An antistatic polyester star filter is placed inside the steel filter chamber. This filter protects the suction unit by preventing any spark which might be caused by electrostatic discharge.

A HEPA filter is included as standard (99,995% on 0,18 micron, class H) which holds the finest dusts and guarantees the cleanliness of the leaving air.



## 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, if need be collecting it directly into a paper bag.



## OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ TOTAL STAINLESS STEEL CONSTRUCTION
- ✓ INTERNAL POLISHING FOR FILTER CHAMBER AND TANK