



## PHARMA 20 EX 1/2D - ATEX EXPLOSION PROOF



AVIATION



FOOD INDUSTRY



CHEMICAL-PHARMACEUTICAL



METALWORKING



- ✓ 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
- ✓ Vacuum gauge to detect filter clogging
- ✓ High filtration efficiency
- ✓ ATEX certified for Zone 20 inside the chamber and for Zone 21 outside the chamber
- ✓ Conceived for fine and hazardous dust suction
- ✓ Additional HEPA filter (99,995% on 0,18 micron) included
- ✓ Stainless steel AISI304 collection tank
- ✓ Earth grounding



### SUCTION UNIT

Atex zones	ATEX Z20/21	
Marking	Ex II 1/2D Ex h IIIC T160°C Da/Db	
Voltage	V - Hz	400 - 50 3~
Power	kW	2,2
Electrical protection	IP	65
Max water lift	mmH <sub>2</sub> O	1.800
Max air flow	m <sup>3</sup> /h	250
Suction inlet	mm	50
Noise level (EN ISO 3744)	dB(A)	67



### FILTER UNIT

Filter Type	Cartridge	
Surface - Diameter	cm <sup>2</sup> -mm	30.000 - 360
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system	Dustop	
Secondary filter	Safety cartridge	



### COLLECTION UNIT

Collection tank	AISI304 Stainless steel	
Capacity	lt	33



### VOLUME

Dimensions	cm	47x69x135h
Weight	kg	72



## 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.

A pressure relief valve protects the motor, providing additional air for cooling.

The suction unit is ATEX certified.



## FILTER UNIT

It is possible to clean the filter using the Dustop, an integrated reverse pulse system: by closing the suction inlet and opening a flap in the filter chamber, the airflow generated by the motor cleans the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment.

An antistatic polyester cartridge 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 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

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