

FOX 10 ATEX Z21 II2D



ATEX EXPLORATION



TECHNICAL DATA

	Units	FOX 10 Z21
Suction type		Side channel blower
Turbine ATEX certification		II3/2D c T 125°C
Power	kW - HP	7,5 - 10
Voltage Frequency	V Hz	400 50/60
IP insulation class		65 F
Maximum vacuum	mBar	290
Vacuum in continuous run	mBar	230
Maximum air flow	m³/h	530
Relief valve		Included
Conic cyclone		Included
Inlet	Ø mm	50 - 70
Noise level – (EN ISO 3744)	dB(A)	74
Bin capacity	Lt	100
Dimensions	mm	1280X650
Height	mm	1830
Weight	Kg	242
Primary filter		
Type		Star filter
Surface area	cm²	24.000
(Class EN 60335-2-69)		IFA/BGIA M-PES AL
Media		Antistatic polyester
Filter cleaning		Manual shaker
SP filter cleaning - Optional		
Surface area	cm²	90.000
(Class EN 60335-2-69)		IFA/BGIA M-PES EXAM
Media		ACCREDITED
Filter cleaning		Antistatic polyester
Absolute filter		Reverse jet
Surface area	cm²	28.000
(Class - EN 1822)		H14
Media		Fiberglass



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SUCTION UNIT

The suction unit is made in Italy side channel blower with direct coupling between motor and impeller. The turbine is ATEX Certified II3/2D c T 125°C. Moreover, to guarantee a safe work, the unit is equipped with a safety valve that in case of obstruction avoid a possible overheating of motor.



SUCTION INLET

The suction inlet is specially designed to direct the collected material straight into the collection bin. The intake is tangential and welded to the chamber there is a sturdy metal cyclon. The friction with it reduces the speed of the material that falls down easily into the collection bin. This system increases the life of filter and it minimize the risk of filter clogging.

AVAILABLE OPTIONAL

HEPA 14	Absolute filter (EN 1822-5)
BX	Stainless steel bin AISI 304
GX	Stainless steel bin AISI 304 and chamber
FKL	Forklift bracket
GFR	Lifting eyebolts



ANTISTATIC FILTER

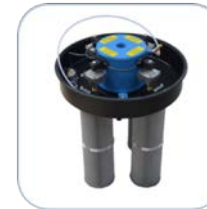
The main filter is made of sturdy antistatic polyester. Inside the textile, there is a conductive net which avoids any electrostatic charge. The star shape permits to have a big filter surface in a compact space and to guarantee the passage of the air also when the filter is dirty. The textile of the filter is in M class (BIA | EN 60335-2-69). It means that all particles till 1 micron are stopped by the filter, so as to protect the turbine and the operator around the vacuum cleaner.



COLLECTION BIN

The collected material is stocked inside a stainless steel AISI 304 container in order to avoid any spark that could be generated by the electrostatic charge. Behind the vacuum cleaner, there is a metal handle that permits to drop down the bin. The bin can be easily moved away thanks to 4 pivoting industrial wheels. Each wheel is located on a reinforced support to guarantee the best stability during the movement.

FILTER CLEANING SYSTEM AVAILABLE ON REQUEST



The SP Option is the best automatic filter cleaning system which uses compressed air at 6bars to clean the cartridges. Thanks to big surface and very high efficiency, it is possible to work also with huge quantities of fine dust. The filters are aluminated and antistatic, with BIA-M class filtration (EN 60335-2-69). The filter cleaning works when the vacuum cleaner is running.