

negative pressure dust extractor

formula vf 160

negative pressure dust extractor



*Photo may include optional equipment

Formula VF 160

Negative Pressure Dust Extractor

VF filters are designed to allow for effective suction and filtration with in a relatively small package! Their slim and compact design make them ideal for any work environment. These filters work in negative pressure, ensuring the maximum suction and safety efficiency, together with a significant noise reduction, only allowed by the passage of clean air inside the fan unit chassis itself. The filtering element is composed of 100% antistatic polyester (standard) and ensures a filtration of residual dust up to 0.1 mg/m³. The cleaning process takes place with a delayed shaking system which is enabled after all internal pressure is reduced and machine aspiration is complete. At that time the interface allows the operator to utilize the machine mechanical vibration (shaking) system.

EASY SAW DUST COLLECTION

All VF 160 and VF 200 filters come with two dust collection bins that are very easy to maintain. Each container has wheels beneath the bin and easily removable dust bags to assist with disposal operations. The internal sub frame of the bin keeps the bag in position with no risk of it being sucked up by the fan.



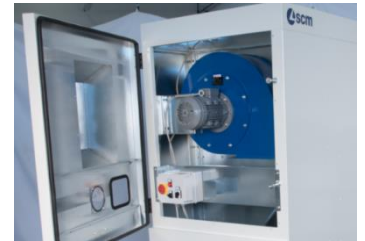
CLEANING

Both the VF 160 and VF 200 use sleeve filters in order to improve the filtration capacity and cleaning. Again, these filters come standard with a vibrating cleaning device.



SAFETY

The VF 160 and VF 200 chassis utilizes our unique turbine micro-finned fan which is positioned at the end of the filter, reducing combustion and spark risk while making use of the separate safety wall separating the motor and fan from the collector chassis.



FIRE SUPPRESSION

The integrated fire protection device (connected by a professional) is a safety feature provided. The firefighting device on the machine provides a manual operation by means of a water valve located on the front of the machine. The main connection must be made on this 1/2" ball valve with a minimum pressure of 3 bar.



Supplied inlet pipe adapter

TECHNICAL SPECIFICATIONS

Maximum air flow @ 65 ft/s	3500 cfm
Pressure @ max air flow	2.4" of water gauge
Nominal Air Flow Rate @ 65 ft/s	850 cfm
Nominal Pressure	9.5" of water gauge
Filtering surface	129 ft ²
Air Inlet Diameter	6.25"
Residual Dust Level	< 0.1 mg/m ³
Filter Cleaning	Electric
Storage Volume	2 x 185 liters / 2 x 49 gal
Dimensions (L x W x H)	2305mm (7.6ft) x 1070mm (3.5ft) x 2438mm (8ft)
3-phase Motor	4 Hp
Decibel Output	75 db

Formula Dust Extractors	VF 125	VF 140	VF 160	VF 200	VF 250	VF 300
Maximum air flow @ 65 ft/s [CFM]	2100	2400	3500	3700	3900	5000
Pressure @ Max air flow [Inches of Water Gauge]	3.2	3.6	2.4	3.2	6.4	7.2
Nominal air flow @ 65 ft/s [CFM]	500	650	850	1350	2350	3550
Nominal pressure [Inches of Water Gauge]	9.4	8.8	9.5	9.5	11.3	13.3
Dimensions (L x W x H) [ft]	2.9x2.7x7.2	2.9x2.7x7.2	7.6x3.5x8.0	7.6x3.5x8.0	8.3x3.8x8.0	11.3x3.8x8.0
Filtering surface [ft ²]	54	107	129	161	215	323
Air inlet diameter [Inches]	5	5 ½	6 ¼	7 ¾	9 ¾	11 ¾
Residual dust level [mg/m ³]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Storage volume [liters/gallons]	185 liters 49 gal	185 liters 49 gal	2 x 185 liters 2 x 49 gal	2 x 185 liters 2 x 49 gal	2 x 270 liters 2 x 71 gal	3 x 270 liters 3 x 71 gal
Fan power [horsepower]	3 Hp	3 Hp	4 Hp	5.4 Hp	7.5 Hp	10.2 Hp

RF.01.05	VF 160 3-Phase USA-Canada Version
93.07.58	230 volt
93.12.15	Frequency 60 hz
58.05.60	Monitoring of filter cleaning
58.05.62	Automatic start for 1-5 machines
08.33.43	Shrink-wrap nylon packaging on wooden pallet

Specifications are subject to change