


SENVACTM
EXTRACTION SYSTEM



SENVAC SDE 3000/5000/7000
Modular Dust/Fume Extraction Systems

SENVAC SDE Series

Modular Dust/Fume Extraction Systems

SENVAC SDE series is recommended for dust, fume and smoke extraction from various generation areas through on source and connected pipe systems.

Our machines can also easily integrate with process area's manufacturing machines for entire Production facilities. The unique design can cover many applications in single machine.

Application Range:

- Automobile • Cement & Minerals • Composite & Plastic
- Engineering Industries • Food Processing • Foundry
- Metal Work like Welding, Plasma & Laser Fume
- Pharmaceutical Industry • Custom OEM Application

Benefits :

- Outstanding Suction Power.
- High Performance Extraction for Dust/Fume.
- Low operating costs with cleanable long life filter cartridge.
- Compact design, minimal space requirement.



Features



Filter Chamber

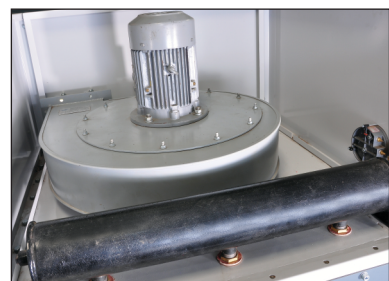
The filter chamber guarantees uniform distribution of the dust load throughout the filter, low pressure loss and low flow speed. The filter can be cleaned offline too.



Automatic Pulse-jet Filter Cleaning System

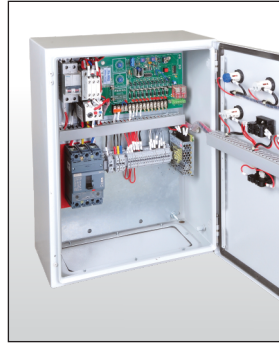
The filter is cleaned by means of pulse-jet, which cleans the filter during operation and after the device has been switched off. This ensures consistent extraction performance with low compressed air consumption.

High Efficiency Centrifugal Fan



ensures maximum extraction performance.

Newly Designed Control Unit



Collection Container



Different Types of Filter Cartridges

- Polyester, 4.7 m² / 6.2 m² with 99.9% efficiency. Dust Class 'M' (DIN EN 60335-2-69)
- Polyester Antistatic by aluminium finishes, 4.7 m² / 6.2 m² with 99.9% efficiency. Dust Class 'M' (DIN EN 60335-2-69)
- Polyester PTFE coating, 4.7 m² / 6.2 m² with 99.9% efficiency. Dust Class 'M' (DIN EN 60335-2-69)
- Polyester ePTFE membrane, 4.7 m² / 6.2 m² with 99.9% efficiency. Dust Class 'M' (DIN EN 60335-2-69)



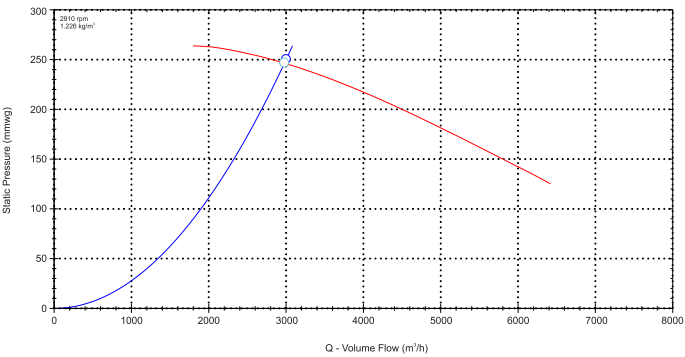
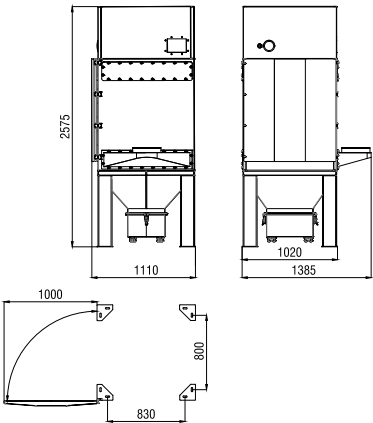
Technical Specifications

Model	Units	SDE 3000	SDE 5000	SDE 7000
Power	KW/HP	3.7/5.5	5.5/7.5	7.5/10
Voltage	Volts	230/400	230/400	230/400
Frequency	Hz	50	50	50
Ambient Temperature	°C	50	50	50
Airflow	m ³ /h	3000	5000	7000
Vacuum Pressure	mm of WC	250	250	250
Filter Cartridge	Nos.	9	16	16
Length of the Cartridge	mm	750	750	985
Filter Surface Area	sq.m	42.3	75.2	99.2
Air Load on Filter	m ³ /m ² /h	71	66.5	70.6
Filter Type	Cartridge	Cylindrical	Cylindrical	Cylindrical
Filter Cleaning Method	Pulse Jet	Automatic	Automatic	Automatic
Filter Efficiency	Microns	99%	99%	99%
Compressed Air Required (Free from Oil/Water)	Bar	4 to 6	4 to 6	4 to 6
Collection Container	Type	Bin	Bin	Bin
Container Capacity	Litres	50	50	50
Installation	Area	Indoor	Indoor	Indoor
Noise Level	dbA	78	78	78
Protection Class	-	IP55	IP55	IP55
Dimensions (LxWxH)	mm	1110 x 1385 x 2575	1350 x 1625 x 2850	1350 x 1625 x 3150

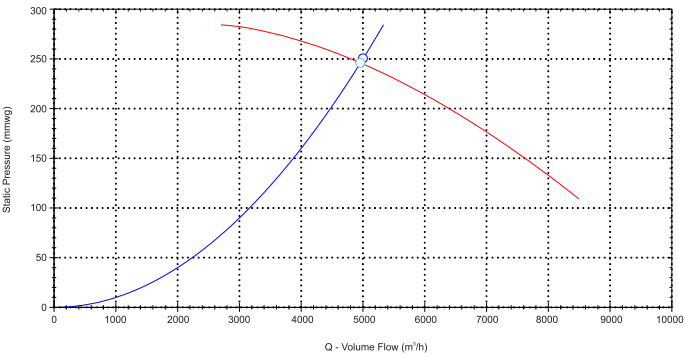
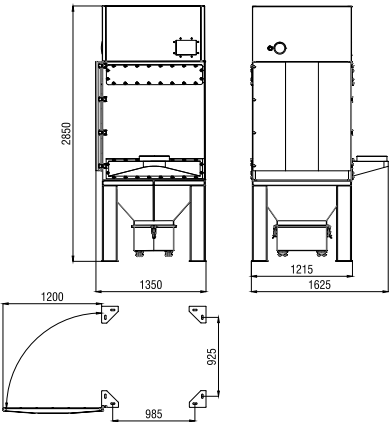
All Dimensions are in "mm"

Performance Curve

SenVac SDE 3000



SenVac SDE 5000



SenVac SDE 7000

