



SENVAC SVC ATEX Series

Central / Mobile High Vacuum System for Dust

SENVAC SVC ATEX Series is good to recommend collecting the compostable dust from the generation area through on source or from the floor both accessible area with or without wheels. The vacuum system self protected explosion proof designed as per ATEX series & certified according to the ATEX Zone 21 & ATEX Zone 22.

Our machines can also easily integrate with process area's manufacturing machines for entire Production facilities. The unique design can cover many applications in a 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 through out the filter. The filter can be cleaned offline too. The complete filter system grouped as per ATEX norms

High Efficiency ATEX Certified Side Channel Blower



Ensures Maximum Extraction Performance.



Integrated HEPA Filter

HEPA Filter

HEPA Filter has high filter surface area. It is made up of paper medium with rigid construction up to the efficiency of 99.93%.

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 m²/6.2m² with 99.9% efficiency.
Dust class 'M' (DIN EN 60335-2-69)
- Polyester ePTFE membrane, 4.7 m²/6.2m² with 99.9% efficiency.
Dust class 'M' (DIN EN 60335-2-69)



Technical Specifications

Model	Units	SVC 400 ATEX	SVC 700 ATEX	SVC 1400 ATEX
ATEX Zone 21	Marking	Ex II 1/2D IIIC IP65 T135°C	Ex II 1/2D IIIC IP65 T135°C	Ex II 1/2D IIIC IP65 T135°C
ATEX Zone 22	Marking	Ex II 1/3D IIIB IP65 T135°C	Ex II 1/3D IIIB IP65 T135°C	Ex II 1/3D IIIB IP65 T135°C
Power	KW/HP	7.5/10	18.5/25	18.5/25
Voltage	V	400/3	400/3	400/3
Frequency	Hz	50	50	50
Max. Airflow	m ³ /hr	750	1100	2100
Max. Vacuum Pressure	mm.H ₂ O	2750	3200	2000
Capacity @ 20 Kpa	-	400 m ³ /h	700 m ³ /h	1400 m ³ /h
Capacity @ 15 KPa	-	475 m ³ /h	800 m ³ /h	1700 m ³ /h
Collection Container	Lt	160	160	220
Suction Inlet	mm	120	120	120
Noise Level	dbA	72	75	78
Protection Class	IP	65	65	65
Dimensions (LxWxH)	cm	152 x 68 x 180	152 x 68 x 180	92 x 180 x 220
Weight	Kg	200	200	810
Automatic Filter Cleaning with Cartridge Filter (AC)				
Filter Cartridge	Nos.	4	4	4
Filter Surface Area	Sq.m	10.6	10.6	26
Air Load on Filter	m ³ /m ² /h	70.7	103.7	80.76
Filter Media		Polyester Antistatic	Polyester Antistatic	Polyester Antistatic
Filter Class		M	M	M
Filter Cleaning Method		Auto Pulse Jet	Auto Pulse Jet	Auto Pulse Jet
Filter Efficiency		99.7%	99.7%	99.7%
Manual Filter Cleaning with Filter Bag (M)				
Filter Surface Area	Sq.m	7.0	7.0	12.0
Air Load on Filter	m ³ /m ² /h	107	107	175
Filter Media		Polyester Antistatic	Polyester Antistatic	Polyester Antistatic
Filter Class		M	M	M
Filter Cleaning Method		Manual	Manual	Manual
Filter Efficiency		99.7%	99.7%	99.7%

SENVAC 400/700/1400 M/AC/ATEX

All Dimensions are in "mm"

