





# 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





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**





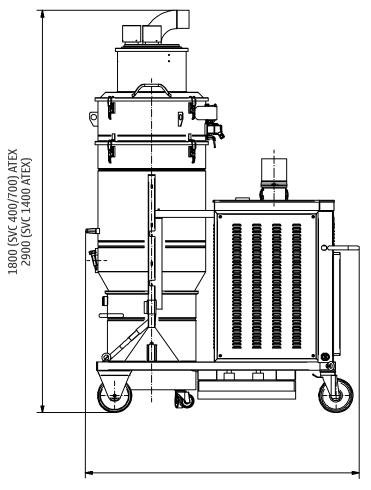
## **Different Types of Filter Cartridges**

- Polyster, 4.7 m² / 6.2 m² with 99.9% efficiency.
   Dust class 'M' ( DIN EN 60335-2-69)
- Polyster antististatic by aluminium finishes,
   4.7 m² / 6.2 m² with 99.9% efficiency.
   Dust class 'M' (DIN EN 60335-2-69)
- Polyster PTFE coating, 4.7 m²/6.2m² with 99.9% efficiency. Dust class 'M' (DIN EN 60335-2-69)
- Polyster ePTFE membrance, 4.7 m²/6.2m² with 99.9% efficiency. Dust class 'M' (DIN EN 60335-2-69)

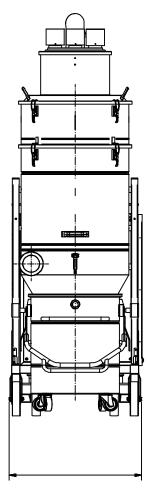
## **Technical Specifications**

recriffed Specifications				
Model	Units	SVC 400 ATEX	SVC 700 ATEX	SVC 1400 ATEX
ATEX Zone 21 ATEX Zone 22 Power Voltage Frequency Max. Airflow Max. Vacuum Pressure Capacity @ 20 Kpa Capacity @ 15 KPa Collection Container Suction Inlet Noise Level Protection Class Dimensions (LxWxH) Weight	Marking Marking KW/HP V Hz m³/hr mm.H₂0 - - Lt mm dbA IP cm Kg	Ex II 1/2D IIIC IP65 T135°C Ex II 1/3D IIIB IP65 T135°C 7.5/10 400/3 50 750 2750 400 m³/h 475 m³/h 160 120 72 65 152 x 68 x 180 200	Ex II 1/2D IIIC IP65 T135°C Ex II 1/3D IIIB IP65 T135°C 18.5/25 400/3 50 1100 3200 700 m³/h 800 m³/h 160 120 75 65 152 x 68 x 180 200	Ex II 1/2D IIIC IP65 T135°C Ex II 1/3D IIIB IP65 T135°C 18.5/25 400/3 50 2100 2000 1400 m³/h 1700 m³/h 220 120 78 65 92 x 180 x 220 810
Automatic Filter Cleaning with Cartridge Filter (AC)				
Filter Cartridge Filter Surface Area Air Load on Filter Filter Media Filter Class Filter Cleaning Method Filter Efficiency	Nos. Sq.m m³/m²/h	4 10.6 70.7 Polyester Antistatic M Auto Pulse Jet 99.7%	4 10.6 103.7 Polyester Antistatic M Auto Pulse Jet 99.7%	4 26 80.76 Polyester Antistatic M Auto Pulse Jet 99.7%
Manual Filter Cleaning with Filter Bag (M)				
Filter Surface Area Air Load on Filter Filter Media Filter Class Filter Cleaning Method Filter Efficiency	Sq.m m³/m²/h	7.0 107 Polyester Antistatic M Manual 99.7%	7.0 107 Polyester Antistatic M Manual 99.7%	12.0 175 Polyester Antistatic M Manual 99.7%

# SENVAC 400/700/1400 M/AC/ATEX All Dimensions are in "mm"



1250 (SVC 400/700 ATEX) 2200 (SVC 1400 ATEX)



640 (SVC 400/700 ATEX) 920(SVC 1400 ATEX)





## SENVAC EXTRACTION SYSTEM PVT LTD

5/589-A1, Kuppanaickenpalayam, Kanuvai Post, Coimbatore - 641 108. Ph: +91 422 2404388 | Email: info@senvac.org | www.senvac.in