

Designed for use in :  
 Division 1, Class I, Groups A, B, C and D  
 Division 1, Class II, Groups E, F, G  
 Hazardous Locations as defined in the National Electrical Code (NFPA 70)

**ATEX** 3rd Party Certified

CE II 2GD  
 Ex h IIC T6 Gb  
 Ex h IIIC T85°C Db  
 LCIE 03 ATEX 6310 X



Ex h IIC T6 Gb  
 Ex h IIIC T85°C Db  
 IECEx LCIE 17.0076 X



**GUARANTEED** for the Safe Recovery of Combustible/Conductive Dusts

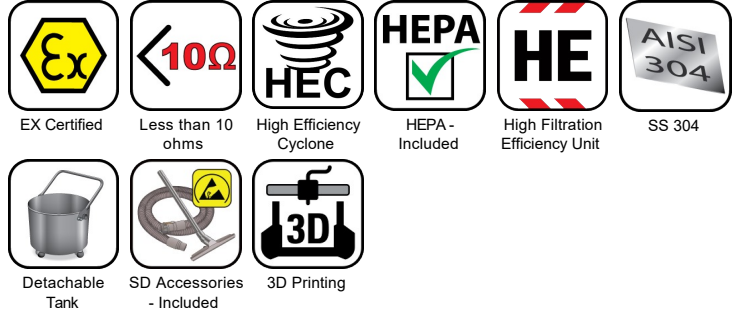
**ESD Safe** Vacuum Systems for Hazardous Locations are designed to prevent ignition hazards.  
 We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)



Complies with NFPA 77 "Recommended Practice on Static Electricity"



### Characteristics



- Powder Recovery System (PRS) for 3D Printing and Additive Manufacturing
- Pneumatic (air-operated)
- Suitable for all AM applications (both plastic & metal)
- Facilitates the extraction & recovery of powder from the AM machine powder bed and build chamber
- The integrated cyclonic pre-separator can separate and collect up to 98% of the powder before it enters the vacuum
- The powder is recovered in the detachable recovery tank made of stainless steel Type 304
- Recovered powder can be easily disposed or re-used depending on the application
- Meets NFPA 484 for Additive Manufacturing paragraph 13.4.1 – Equipment listed for Class II, Group E atmospheres
- Meets NFPA 484 for Powder and Dust Collection paragraph 11.2.4.4.1 – Cyclone without filter media
- ATEX & IECEx Certified for Conductive dusts Group IIIC
- Provides a very high protection level in the collection tank

## Specifications

SS-20 DT (PRS-HEC) RE HEPA WITH 3D TOOL KIT	113226-3D
Model Name	SS-20 DT (PRS-HEC) RE HEPA WITH 3D TOOL KIT
Type (Powerhead)	Pneumatic
Venturi	Single
Venturi (diam.)	6 mm
Minimum Compressor	15 HP
Air Line Size (Diam.)	1/2 "
Input Air Volume	45 CFM
Input Air Pressure	80 PSI
Air Flow	120 CFM
Vacuum Pressure	180 " H <sub>2</sub> O
Sound Level	72 dB(A)
Suction Inlet Port	2 "
Recovery Capacity (Tank)	6.5 gal.
Length	44 "
Width	22 "
Height	53 "
Weight (Vacuum Only)	210 lb.

Please note that specifications are subject to change without notice

### Use only recommended tools & accessories



SS-20 DT (PRS-HEC) RE HEPA Sideview



3D Tool Kit for 2" camlock suction inlet - included



Optional 3D Accessories



Extra recovery tank with lid to facilitate the refresh and re-use of the recovered powders (Part# 223001-ASM1) - Optional