

ATEX

ATEX 3rd Party Certified  
CE 0081 II 2GD  
Ex d IIA T3 Gb  
Ex t IIIC T200°C Db IP6X  
LCIE 03 ATEX 6297



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

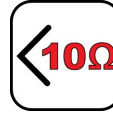
**ESD Safe** Vacuum Systems for Hazardous Locations are designed to prevent ignition hazards. We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)



### Characteristics



EX Certified



Less than 10 ohms



High Efficiency Cyclone



HEPA - Included



High Filtration Efficiency Unit



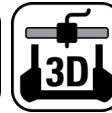
SS 304



Detachable Tank



SD Accessories - Included



3D Printing

- Powder Recovery System (PRS) for 3D Printing and Additive Manufacturing
- 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

EXP1-20 DT (PRS-HEC) RE HEPA WITH 3D TOOL KIT	113220B-3D
<b>Model Name</b>	EXP1-20 DT (PRS-HEC) RE HEPA WITH 3D TOOL KIT
<b>Type (Powerhead)</b>	Electric
<b>TEFC Motor</b>	Yes
<b>Tension</b>	230 V
<b>Frequency</b>	50 Hz
<b>Phase</b>	Single
<b>Wattage</b>	1000 W
<b>Power</b>	1 kW
<b>Amperage</b>	4.5 A
<b>Air Flow</b>	224 m <sup>3</sup> /h
<b>Vacuum Pressure</b>	1550 mm H <sub>2</sub> O
<b>Sound Level</b>	78/85 dB(A)
<b>Type of Power Outlet</b>	Not Included
<b>Recovery Capacity (Tank)</b>	25 L
<b>Length</b>	112 cm
<b>Width</b>	56 cm
<b>Height</b>	135 cm
<b>Weight (Vacuum Only)</b>	98 kg.
<b>Cord Length</b>	15 m

Please note that specifications are subject to change without notice

## Use only recommended tools & accessories



EXP1-20 DT (PRS-HEC) RE HEPA Sideview 1



EXP1-20 DT (PRS-HEC) RE HEPA Sideview 2



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