



EXP1 Models Certified for:

CLEANING MACHINES For Hazardous Locations (Classes C1618 01 & C1618 81)  
Class I, Division 1, Division 2, Group D, T3C and Class II, Division 1, Division 2, Groups E, F and G



**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)

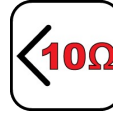


Complies with NFPA 77 "Recommended Practice on Static Electricity"

### Characteristics



EX Certified



Less than 10 ohms



High Efficiency Cyclone



HEPA - Included



High Filtration Efficiency Unit



SS 304



Detachable Tank



SD Accessories - Included

**(800) 635-0298**

**sales@controlledairdesign.com**

**controlledairdesign.com**



- 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 SAE 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	113220A
Model Name	EXP1-20 DT (PRS-HEC) RE HEPA
Type (Powerhead)	Electric
TEFC Motor	Yes
Voltage	120 V
Hertz	60 Hz
Phase	Single
Wattage	1000 W
Power	1.3 HP
Amperage	9 A
Air Flow	132 CFM
Vacuum Pressure	69 " H <sub>2</sub> O
Sound Level	78/85 dB(A)
Plug Type	Not Included
Length	44 "
Width	22 "
Height	53 "
Weight (Vacuum Only)	216 lb.
Cord Length	50 ft.

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



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