



DUST IGNITION PROTECTED

CLEANING MACHINES For Hazardous Locations (Classes C1618 01 & C1618 81)

Division 2, Class II, Groups F & G

Certified Zone 22 Hazardous Areas / Dust Group IIIC (Conductive Dusts)



IECEx 3rd Party Certified

Ex h tc IIIC T200°C (T85°C for **BLSD** version) Dc IP6X
IECEx LCIE 15.0048



This model can be used to Recover Combustible/Conductive Dusts in Hazardous Locations Division 2 and Zone 22 Dust Group IIIC:

Group F Conductive Carbonaceous Dust (carbon black, coal, coke dust, etc)

Group G All flour Dust (grain, flour, starch, sugar, wood, plastic, chemical dust, etc)

Group IIIC Conductive Dust Zone 22 (as per International Standards)

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



Static Dissipating



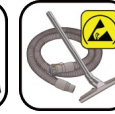
HEPA - Included



High Filtration Efficiency Unit



Stainless General



SD Tools & Accessories



Dry Recovery



EX Certified



3D Printing



High Efficiency Cyclone



Brushless Motor Available



- 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 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

| C-10 EX DT (PRS-HEC) WITH 3D TOOL KIT | 113230A-3D | 113230A-BL3D |
|---------------------------------------|---------------------------------------|--|
| Model Name | C-10 EX DT (PRS-HEC) WITH 3D TOOL KIT | C-10 EX DT (PRS-HEC) BLSD WITH 3D TOOL KIT |
| Type (Powerhead) | Electric | Electric |
| Tension | 120 V | 120 V |
| Frequency | 60 Hz | 60 Hz |
| Phase | Single | Single |
| Wattage | 1207 W | 1100 W |
| Power | 1.6 HP | 1.5 HP |
| Amperage | 10.5 A | 13 A |
| Air Flow | 110 CFM | 127 CFM |
| Vacuum Pressure | 107 " H ₂ O | 89 " H ₂ O |
| Sound Level | 72 dB(A) | 72 dB(A) |
| Type of Power Outlet | 120V | 120V |
| Recovery Capacity (Tank) | 6.5 gal. | 6.5 gal. |
| Cord Length | 35 ft. | 35 ft. |

Please note that specifications are subject to change without notice

Use only recommended tools & accessories



C-10 EX DT (PRS-HEC) - Side View 1



C-10 EX DT (PRS-HEC) - Side View 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



Longer Life Brushless Motor Available (always with 4 x H14 HEPA filters)