

Characteristics



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"



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)