



CD-EX Models Certified for:

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

Division 1, Class I, Group D and Class II, Groups F and G, T3C
Division 1, Class II Group E (metal dust) motor and switch available

Division 2, Class I Group D and Class II, Groups F and G, T3C



CD EX Series IECEx 3rd Party Certified

Ex d IIB T4 Gb

Ex t IIIC T135°C Db IP65

IECEx LCI 10.0040 X

Certified for providing an Equipment Protection Level of EPL Db and EPL Gb



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



Dry Recovery



Continuous Duty



Detachable Tank



HEPA Filter Available



EX Certified



Less than 10 ohms

HEPA - Optional



SD Accessories - Included



High Filtration Efficiency Unit

Controlled Air Design
(800) 635-0298
controlledairdesign.com



- Legally certified explosion proof/dust ignition proof
- HEPA filter with an efficiency of 99.995% at 0.3 micron. Tested IEST-RP-CC001. H14 by MPPS method as per EN 1822 and OSHA compliant. All of our HEPA vacuum systems are aerosol leak tested before leaving our facility - optional
- Manometer included
- Manual Filter Shaker (MFS) system
- Ideal for general cleaning and for process integration
- Continuous duty 3-phase (TEFC) explosion proof/dust ignition proof motor. Third Party Certified
- For dry recovery only
- Stainless steel SAE 304 body and heavy duty powder coated cart
- Static dissipative poly liner and clip for the easy and safe disposal of recovered materials - available
- Detachable recovery tank (DT) for easy disposal of recovered materials
- Includes a complete static dissipative tool kit
- Motor and switch for use in the presence of conductive metal dust is available. North-America: Class II, Group E Europe: Dust Group IIIC
- Includes a True Cyclone Separator System located at the suction intake to enhance suction performance

Specifications

CD-100L (DT) EX (MFS)	112570A1	112570A2	112570A5	112574A1	112574A5
Model Name	CD-100L EX (DT) MFS	CD-100L EX (DT) MFS	CD-100L EX (DT) MFS	CD-100L EX (DT) MFS	CD-100L EX (DT) MFS
Type (Powerhead)	Electric	Electric	Electric	Electric	Electric
TEFC Motor	Yes	Yes	Yes	Yes	Yes
Voltage	460 V	230 V	575 V	460 V	575 V
Hertz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Phase	Three	Three	Three	Three	Three
Wattage	3700 W	3700 W	3700 W	5550 W	5550 W
Power	5 HP	5 HP	5 HP	7.5 HP	7.5 HP
Amperage	6 A	12 A	5 A	8.6 A	7 A
Air Flow	225 CFM	225 CFM	225 CFM	324 CFM	324 CFM
Vacuum Pressure	155 " H ₂ O	155 " H ₂ O	155 " H ₂ O	155 " H ₂ O	155 " H ₂ O
VRV Setting	100 " H ₂ O	100 " H ₂ O	100 " H ₂ O	95 " H ₂ O	95 " H ₂ O
Sound Level	72 dB(A)	72 dB(A)	72 dB(A)	77 dB(A)	77 dB(A)
Plug Type	Not Included	Not Included	Not Included	Not Included	Not Included
Suction Inlet	2.5" CAMLOCK	2.5" CAMLOCK	2.5" CAMLOCK	2.5" CAMLOCK	2.5" CAMLOCK
Cart Type	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)
Filter Cleaning	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)
Dry Recovery - Tank	26.3 Gal	26.3 Gal	26.3 Gal	26.3 Gal	26.3 Gal
Length	46 "	46 "	46 "	46 "	46 "
Width	27 "	27 "	27 "	27 "	27 "
Height	66 "	66 "	66 "	66 "	66 "
Weight (Vacuum Only)	362 lb.	362 lb.	362 lb.	418 lb.	418 lb.
Cord Length	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.
HEPA/ULPA Filter Surface Size	21 ft ²	21 ft ²	21 ft ²	42 ft ²	42 ft ²
Star Shaped Main Filter Surface Area	21 ft ²	21 ft ²	21 ft ²	21 ft ²	21 ft ²

Please note that specifications are subject to change without notice

Use only recommended tools & accessories



Conductive Star Shaped Filter with Cage - Included



HEPA Filter - Downstream - Optional



Ø2" (Ø50 mm) Static Dissipative Tools and Accessories - Included



CD-100L (DT) EX (MFS) with Recovery Tank removed