



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 and Flammable Liquids

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"



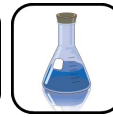
Characteristics



Continuous Duty



SS 304 and 316



Cleanroom Compatible



Pharma Applications



EX Certified



Less than 10 ohms



HEPA - Included



Activated Carbon



High Filtration Efficiency Unit



Wet and Dry Recovery

- Legally certified explosion proof/dust ignition proof
- Less than 10 ohms of resistivity
- 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 - included
- Cleanroom compatible with ISO Class 4 (former Class 10). Can be used in the Pharmaceutical industry
- For general cleanup in hazardous locations
- Continuous duty 3-phase (TEFC) explosion proof/dust ignition proof motor. Third Party Certified
- For wet & dry recovery
- Available with a Middle Ring with Activated Carbon (MRAC) for the adsorption of toxic/noxious fumes and vapors
- Carbon cartridge contains 18 lb (8 kg) of activated carbon pellets. Different types of activated carbon are available
- Available with a liquid bath immersion system for the recovery of metallic/combustible dusts
- All stainless steel Type 304/316 construction
- Mounted on a 4-wheel cart for easy maneuverability. Cart has static dissipative wheels
- Motor and switch for use in the presence of conductive metal dust is available. North-America:

Class II, Group E Europe: Dust Group III C

- Other motor performances available

Specifications

CD-3 EX Series (Wet & Dry)	110972A1	110972A2	110972A5	110980A1	110980A2	110980A5
Model Name	CD-3 EX HEPA (W & D)	CD-3 EX HEPA (W & D)	CD-3 EX HEPA (W & D)	CD-3 EX HEPA (MRAC)	CD-3 EX HEPA (MRAC)	CD-3 EX HEPA (MRAC)
Type (Powerhead)	Electric	Electric	Electric	Electric	Electric	Electric
TEFC Motor	Yes	Yes	Yes	Yes	Yes	Yes
Tension	460 V	230 V	575 V	460 V	230 V	575 V
Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Phase	Three	Three	Three	Three	Three	Three
Wattage	1480 W	1480 W	1480 W	1480 W	1480 W	1480 W
Power	2 HP	2 HP	2 HP	2 HP	2 HP	2 HP
Amperage	2.6 A	5.2 A	2.1 A	2.6 A	5.2 A	2.1 A
Air Flow	158 CFM	158 CFM	158 CFM	158 CFM	158 CFM	158 CFM
Vacuum Pressure	130 " H ₂ O	130 " H ₂ O	130 " H ₂ O	130 " H ₂ O	130 " H ₂ O	130 " H ₂ O
VRV Setting	80 " H ₂ O	80 " H ₂ O	80 " H ₂ O	80 " H ₂ O	80 " H ₂ O	80 " H ₂ O
Sound Level	82 dB(A)	82 dB(A)	82 dB(A)	82 dB(A)	82 dB(A)	82 dB(A)
Type of Power Outlet	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included
Suction Inlet	2 "	2 "	2 "	2 "	2 "	2 "
Cart Type	Carriage Base (CB)	Carriage Base (CB)	Carriage Base (CB)	Carriage Base (CB)	Carriage Base (CB)	Carriage Base (CB)
Filter Cleaning	None	None	None	None	None	None
Dust Recovery Tank	15 Gal	15 Gal	15 Gal	15 Gal	15 Gal	15 Gal
Liquid Recovery Capacity	17 gal.	17 gal.	17 gal.	17 gal.	17 gal.	17 gal.
Length	43.5 "	43.5 "	43.5 "	48 "	43.5 "	43.5 "
Width	20 "	20 "	20 "	20 "	20 "	20 "
Height	51.5 "	51.5 "	51.5 "	62 "	51.5 "	51.5 "
Weight (Vacuum Only)	353 lb.	353 lb.	353 lb.	321 lb.	353 lb.	353 lb.
Cord Length	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.

Please note that specifications are subject to change without notice

Use only recommended tools & accessories



Activated Carbon Cartridge - Optional



Liquid Filter - Included



Ø1.5" (Ø38 mm) Static Dissipative Tools and Accessories - Optional



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

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Ex t IIIC T135°C Db IP65

IECEx LCI 10.0040 X

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Specifications For CD-3 EX Series (Wet & Dry)

Name	Part Number	Tension	Frequency	Phase	Wattage	Power	Amperage	Air Flow	Vacuum Pressure	Type of Power Outlet	Dust Recovery Tank
CD-3 EX HEPA (W & D)	110972A1	460 V	60 Hz	Three	1480 W	2 HP	2.6 A	158 CFM	130 " H ₂ O	Not Included	15 Gal
	Dimensions: H51.5" x W20" x L43.5" Weight: 353 lb. Sound Level: 82 dB(A)										
CD-3 EX HEPA (W & D)	110972A2	230 V	60 Hz	Three	1480 W	2 HP	5.2 A	158 CFM	130 " H ₂ O	Not Included	15 Gal
	Dimensions: H51.5" x W20" x L43.5" Weight: 353 lb. Sound Level: 82 dB(A)										
CD-3 EX HEPA (W & D)	110972A5	575 V	60 Hz	Three	1480 W	2 HP	2.1 A	158 CFM	130 " H ₂ O	Not Included	15 Gal
	Dimensions: H51.5" x W20" x L43.5" Weight: 353 lb. Sound Level: 82 dB(A)										
CD-3 EX HEPA (MRAC)	110980A1	460 V	60 Hz	Three	1480 W	2 HP	2.6 A	158 CFM	130 " H ₂ O	Not Included	15 Gal
	Dimensions: H62" x W20" x L48" Weight: 321 lb. Sound Level: 82 dB(A)										
CD-3 EX HEPA	110980A2	230 V	60 Hz	Three	1480 W	2 HP	5.2 A	158 CFM	130 " H ₂ O	Not Included	15 Gal

(MRAC)	Dimensions: H51.5" x W20" x L43.5" Weight: 353 lb. Sound Level: 82 dB(A)										
CD-3 EX HEPA (MRAC)	110980A5	575 V	60 Hz	Three	1480 W	2 HP	2.1 A	158 CFM	130 " H ₂ O	Not Included	15 Gal
	Dimensions: H51.5" x W20" x L43.5" Weight: 353 lb. Sound Level: 82 dB(A)										

Please note that specifications are subject to change without notice

Technical Sheet For CD-3 EX Series (Wet & Dry)

HEPA FILTER AND ACCESSORIES - Included	
Part #	Description
212202	HEPA FILTER, 11" HIGH w/GASKET, EFFICIENCY OF 99.995% ON 0.3 MICRON (H14)
212206	FLOATER HOUSING -STAINLESS STEEL(EXTERNAL PART)

EXHAUST FILTRATION - Optional	
Part #	Description
213004	EXTERNAL HEPA HOUSING WITH Ø2"(50mm) MALE CAMLOCK VENTING EXHAUST FOR 11"(28cm) HEPA-STAINLESS STEEL
213035	ADAPTOR PLATE WITH Ø2"(50mm) CAMLOCK VENTING EXHAUST -STAINLESS STEEL

MUFFLER - Optional	
Part #	Description
214739	OPTIONAL MUFFLER ASSEMBLY FOR CD-3, STAINLESS STEEL WITH SOUND INSULATING FOAM

FILTERS AND ACCESSORIES - Included	
Part #	Description
211013	MAIN FILTER ASSEMBLY SD* FOR 10/15/25 GALLON EXPLOSION PROOF VACS
212734A	STAINLESS STEEL CAGE FOR CLOTH FILTER -ELECTROPOLISHED
211010	LIQUID FILTER ASSEMBLY SD* FOR 10/15/25 GAL EXP PROOF VACS

ACTIVATED CARBON CARTRIDGE FOR CD-3 EX HEPA (MRAC) MODELS - Optional	
Part #	Description
212200B	CARBON CARTRIDGE ASSEMBLY WITH 3mm CARBON (REGULAR)
212200C	CARBON CARTRIDGE ASSEMBLY WITH 3mm MERSORB ACTIVATED CARBON (FOR MERCURY VAPORS)
212200K	CARBON CARTRIDGE ASSEMBLY WITH 3mm KOGC3/KINA3 CARBON (FOR CHLORIDE VAPORS)
212200L	CARBON CARTRIDGE ASSEMBLY WITH 3mm A-3 CARBON (FOR ARSINE AND PHOSPHINE VAPORS)

GROUND CONTINUITY TESTER - Included	
Part #	Description
211065B	MULTIMETER

Ø2" (Ø50mm) STATIC CONDUCTIVE TOOLS AND ACCESSORIES (RESISTIIVITY OF 10/3 - 10/5) - Optional	
Part #	Description
500540	CRUSHPROOF SUCTION HOSE ASMBLY 2"(50mm) x15'(4.5m) STATIC CONDUCTIVE w/2"(50mm) FEMALE CAMLOCK (ALUM
500538	CRUSHPROOF SUCTION HOSE (NO WIRE) Ø2"(50mm) STATIC CONDUCTIVE -BLACK (SOLD PER FOOT)
500160	WAND ONLY, SINGLE BEND, 2"(50mm) x 48" (122cm), ALUMINUM, WITH TAPER FOR FLOOR TOOL
500161A	UNIVERSAL TOOL Ø2"(50mm)x20"(51cm)SD* NO COUPLING WITH BRASS WHEELS&CONDUCTIVE BRISTLES&RUBBER BLADE
500156B	CREVICE TOOL SD* (NO COUPLING) Ø2"(50mm)x15"(38cm) -ALUMINUM
501184A	DUSTING BRUSH ALUMINUM SD* Ø2"(50mm)x5"(12.7cm)WITH CONDUCTIVE BRISTLES & TUBE FOR PRESSURE FIT
500230	CONICAL NOZZLE RUBBER SD* ASSEMBLY Ø2"(50mm)x7.5"(19cm) WITH Ø2"(50mm)PRESSURE FIT ALUM. CONNECTOR
500234	TIGER-CLAW RUBBER SD* ASSEMBLY Ø2"(50mm)x4.5"(11.5cm)WITH Ø2"(50mm)PRESSURE FIT ALUMINUM CONNECTOR
501200A	UTILITY TOOL SD* Ø2"(50mm)x8"(20.3cm) WITH CONDUCTIVE BRISTLES & TUBE FOR PRESSURE FIT -ALUMINUM

Ø2" (Ø50mm) EXPLOSION PROOF TOOLS & ACCESSORIES - MANDATORY FOR USE WHEN RECOVERING CONDUCTIVE, METAL & PYROTECHNIC DUST. STATIC DISSIPATIVE (LESS THAN 10 OHMS) - Optional	
Part #	Description
500306B	KANAFLEX SUCTION HOSE ASSEMBLY SD* Ø2"(50mm)x15'(4.5m)WITH Ø2" FEMALE CAMLOCK,HOSE CUFF&RING
500300	KANAFLEX SUCTION HOSE ONLY SD* Ø2"(50mm) CONDUCTIVE&ABRASION RESISTANT (SOLD PER FOOT)

500160SS	WAND ONLY SINGLE BEND Ø2"(50mm)x48"(1.2m) -STAINLESS STEEL AISI 304 FOR HOSE CUFF & RING
500161A	UNIVERSAL TOOL Ø2"(50mm)x20"(51cm)SD* NO COUPLING WITH BRASS WHEELS&CONDUCTIVE BRISTLES&RUBBER BLADE
500558	CREVICE TOOL, 2"(50mm) x 15"(38cm), STAINLESS STEEL TYPE 304
501184DA	DUSTING BRUSH ALUMINUM SD* 2"(50mm) x 5"(13cm) w/CONDUCTIVE BRISTLES, FOR USE w/HOSE CUFF w/RING
500230D	CONICAL NOZZLE ASSEMBLY -CONDUCTIVE RUBBER Ø2"(50mm)x7.5"(19cm)FOR USE WITH HOSE CUFF & RING
500234D	TIGER-CLAW RUBBER SD* ASSEMBLY Ø2"(50mm)x4.5"(11.5cm) FOR USE WITH HOSE CUFF & RING
500154DA	UTILITY TOOL SD* Ø2"(50mm)x8"(20.3cm) WITH CONDUCTIVE BRISTLES FOR USE WITH HOSE CUFF & RING

AVAILABLE UPGRADES - Optional	
Part #	Description
212771-M1EU	UPGRADE TO BALDOR MOTOR CEM7071T-E, 230/460V 3PHASE, FOR CLASS I-GROUP D, CLASS II-GROUPS E,F&G
212771-M5EU	UPGRADE TO BALDOR MOTOR CEM7071T-E-5, 2HP 575V 60Hz 3PHASE, FOR CLSS I-GROUP D, CLSS II-GROUPS E,F&G
218705	UPGRADE (FROM VIGANO) TO KILLARK B7MS1R BOX FOR (1HP TO 5HP) CLASS I-GROUP D, CLASS II-GRPOUS E,F&G