

## **EX-10/15 CR Explosion Proof Cleanroom Vacuums**











---

## Industrial Vacuums for Hazardous Materials

### Explosion Proof/Dust Ignition Proof Electrically Operated Cleanroom Vacuums

Certified Explosion proof/Dust ignition proof industrial vacuum certified Class I, Division 1, Group D and Class II, Division 1, Groups E, F and G Hazardous Locations as defined in the National Electric Code (NEC) and NFPA 70

Certified EPL Db and EPL Gb (Equipment Protection Level)

PrestiVac cleanroom vacuums are specifically designed to be used in ISO 4 (Class 10) cleanroom/controlled environments for decontamination control. The stainless steel construction is easy to clean and sterilize. The exhaust air is filtered through a **ULPA** filtration system with an efficiency of 99.9995% @ 0.12 microns, eliminating the risk of any contamination. Our cleanroom vacuums are also equipped with an Electromagnetic Interference (EMI) / Radio-Frequency Interference (RFI) Filter to protect any electronic equipment in the cleanroom.

Prestivac explosion proof/dust ignition proof vacuums are specifically designed to safely vacuum explosive, combustible dusts. Our explosion proof/dust ignition proof vacuums are completely grounded and static dissipating because they are built entirely with non-sparking metals and do not have any painted components so there is no risk of fire or explosion from a spark or static build up. All the electrical components, including the motor and starter are totally enclosed so there is no source of ignition. Our explosion proof/dust ignition proof vacuums comply with NFPA 484 guidelines and are an effective tool for good housekeeping practise as per OSHA.

Features:

- Single Phase Explosion Proof Motor
- ISO Class 4 (Class 10) Cleanroom Compatible
- EMI/RFI Shielded against any Electromagnetic Interference / Radio-Frequency Interference
- All Stainless steel construction makes it a solid unit that is easy to clean and sterilize
- Automatic Filter Shaker
- Static dissipating ESD safe
- Complete with static dissipating suction hose and accessories
- Automatic suction shut off system when the collection tank is full of liquids (for Wet & Dry models)
- Stainless steel Drain valve assembly for easy emptying (for Wet & Dry models)

Filtration System:

- 4-stage filtration system for maximum performance and efficiency
- Conductive ESD safe filters
- Conductive ESD safe collection filter bags
- **ULPA** Filtration with an efficiency of 99.9995% @ 0.12 micron. Testing Method: IEST RP-CC034.3. H15. MIL-STD 282 / A.S.T.M. - D2986-91. MPPS method EN 1822.

Applications:

Hazardous flammable/combustible gases, vapors and liquids:

- Class I Group A (Acetylene, etc.)
- Class I Group B (Butadiene, Ethylene Oxide, Hydrogen, etc.)
- Class I Group C (Acetaldehyde, Cyclopropane, Diethyl Ether, Ethylene, Isoprene, etc.)
- Class I Group D (Acetone, Ammonia, Benzene, Butane, Ethane, Ethanol, Gasoline, Methane, Octane, Pentane, Petroleum, Propane, Styrene, Turpentine, Vinyl Chloride, etc.)

Combustible/Conductive\* dusts

- Class II Group E\* metal dusts (Aluminum, Bronze, Chromium, Iron Carbonyl, Magnesium, Tantalum, Titanium, Zinc, Zirconium, and other commercial alloys)
- Class II Group F Carbonaceous dusts (Carbon black, Charcoal, coke, coal, etc.)
- Class II Group G combustible dusts ( Agricultural, Calcium, Chemical, Cocoa, Coffee, Corn, Cotton, Egg white, Epoxy resin, Flour, Grain, Lactose, Malt, Melamine, Milk, Oat, Plastic, Rice, Sodium, Spices, Starch, Sugars, Sulfur, Tobacco, Vinyl, Wheat, Whey, Wood, etc.)

\* NFPA guidelines recommend a maximum collection capacity of 5 lbs for combustible metals in a dry format. If you require a higher capacity, please see our Explosion Proof Immersion Separator Vacuums.

Specifications:

Model	EX1-10/15 CR	EX1-10/15 CR WD
Air Watts	321	321

Electricity	120v / 12a / 1300w	120v / 13a / 1300w
Air Flow (CFM)	145	145
Vacuum Pressure (H2O)	72	72
Collection Type	Dry	Wet & Dry
Capacity (gal)	10 or 15	10 or 15
dB(A) @ 6 ft		

## Included Accessories:

- Static dissipating suction hose assembly
- Crevice tool
- Round tool
- Flat tool
- Micro tool kit
- Stainless Steel Extension wands
- Floor tool

## Options:

- Vacuum Gauge
- Needle/ broken ampule collector separator
- Dust Extraction Arm assembly

## Filtration Options:

- **HEPA<sup>Plus</sup>** Filtration with an efficiency of 99.995% @ 0.2 micron. Testing Method: IEST RP-CC034.3. H14. MIL-STD 282 / A.S.T.M. - D2986-91. MPPS method EN 1822
- Activated Carbon Filtration System to adsorb solvent fumes and vapors

If you have a special application or specific requirement, please feel free to contact us. As manufacturers, we can modify our units to meet your specific needs.

Cleanroom, EXPLOSION PROOF DIVISION 1 (ELECTRIC), Explosion Proof, CLEANROOM