

## **AV-10/15 EX CR Ex Air Cleanroom Vacuums**















Industrial Vacuums for Hazardous Locations

Explosion Proof/Dust Ignition Proof Compressed Air-Operated Pneumatic Cleanroom Vacuums

II 2 GD c IIC T6 (85°C)

Class I, Division 1, Groups A, B, C and D T6 and Class II, Division 1, Groups E, F, 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 micron, eliminating

the risk of any contamination. Our compressed air operated cleanroom vacuums do not have any electrical components that can cause any Electromagnetic Interference (EMI) / Radio-Frequency Interference (RFI) that can affect any electronic equipment in the cleanroom.

PrestiVac explosion proof/dust ignition proof vacuums are specifically designed to safely vacuum explosive, combustible liquids and 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. Compressed Air-Operated Vacuums have no motor or electrical components that can overheat and be a 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:

- Powerful Suction - High Performance
- Static dissipating ESD safe
- ISO Class 4 (Class 10) Cleanroom Compatible
- All Stainless steel construction makes it a solid unit that is easy to clean and sterilize
- Automatic Filter Shaker
- 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)
- Quiet operation with only 72 dB

#### 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	AV1-10/15 EX CR	AV2-10/15 EX CR
Air Flow (CFM)	120	230
Vacuum Pressure (H2O)	200	200
Collection Type	Dry	Dry
Capacity (gal)	10 or 15	10 or 15
dB(A) @ 6 ft	72 dB	72 dB
Air Line Size (I.D.)	0.5"	0.75"
Input Pressure (PSI)	80 to 100	100
Input Air Flow (CFM)	35	70

**\*\*Optional 3/8" (9.5 mm) I.D. Air Line Configuration Also Available\*\***

Included Accessories:

- Static dissipating air supply hose assembly
- Static dissipating suction hose assembly
- Stainless steel double bend wand assembly
- Floor tool
- Crevice tool
- Round tool

Optional Accessories:

- Extension wand
- Single bend wand
- Flat tool
- Dust extraction Arm

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 (AIR), Explosion Proof, CLEANROOM (AIR)