AV1-1 EX CM Ex Air Containment Vacuums

Industrial Vacuums for Hazardous Materials

Explosion Proof Dust Ignition Proof Compressed Air Operated Pneumatic Containment Vacuums

II 2 GD c IIC T6 (85^{o}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 (NFPA 70)

Certified EPL Db and EPL Gb (Equipment Protection Level)

PrestiVac Containment Vacuums are specifically designed to safely vacuum potent compounds. The potent compounds are safely collected and contained inside a Disposable Absolute **HEPA*Plus**** Collection Cartridge with an efficiency of 99.995% on 0.2 micron so there is no risk of exposure or contamination for the operator or the

environment.

PrestiVac explosion proof/dust ignition proof vacuums are designed to safely vacuum explosive, combustible conductive* 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 vacuums comply with NFPA 484 guidelines and are an effective tool for good housekeeping practise as per OSHA.

Features:

- Powerful Suction - Highest Performance
- Air operated Pneumatic unit with no electrical components or moving parts so it can run continuously and will not overheat or breakdown
- Stainless steel construction makes it a solid unit that is easy to clean and sterilize
- Static dissipating ESD safe
- Complete with static dissipating suction hose and accessories
- Compact and lightweight, weighing only 10 lbs
- Ideal for confined spaces and light applications
- Quiet operation with only 72 dB

Filtration/Collection System:

- Disposable **HEPA*Plus**** Collection Cartridge 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.

Applications:

- Anthrax
- Aspergillus Spores
- Bio-Hazard Materials
- Contaminated products
- Hazardous drugs
- Mold
- Nuisance dusts
- Penicillium Spores
- Potent Compounds
- Spores
- Stachybotrys Colonies
- Toxic dusts
- Viral Particulates

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	AV1-1 EX CM
Air Flow (CFM)	120
Vacuum Pressure (H20)	200
Collection Type	Dry
Capacity (gal)	1
dB(A) @ 6 ft	72 dB
Air Line Size (I.D.)	0.5"
Input Pressure (PSI)	80 to 100
Input Air Flow (CFM)	35

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

Included Accessories:

- Static dissipating air supply hose assembly 0.5” x 25’
- Static dissipating suction hose assembly 1.25” (38mm) x 5’ (1.5m)
- Crevice tool
- Round brush
- Flat tool

Options:

- Stainless steel double bend wand assembly
- Floor tool
- Shoulder strap
- Grounding cable

Filtration/Collection Options:

- Disposable **ULPA** Collection Cartridge 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.
- Exhaust **HEPA*Plus**** 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..
- Exhaust **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.

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.

Containment, EXPLOSION PROOF DIVISION 1 (AIR), Explosion Proof, CONTAINMENT (AIR)