

## **AV1-1 EX Ex Air Vacuums**





Industrial Vacuums for Hazardous Materials

Explosion Proof/Dust Ignition Proof Compressed Air-Operated Pneumatic Industrial 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 explosion proof/dust ignition proof vacuums are specifically 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 do not have any 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 - 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 10lbs
- Ideal for confined spaces and light applications
- Quiet operation with only 72 dB

Filtration System :

- Conductive ESD safe filters
- **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.

Applications:

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  |
| Air Flow (CFM)          | 120       |
| Vacuum Pressure (H2O)   | 200       |
| Collection Type         | Dry       |
| Capacity (gal)          | 1         |
| dB(A) @ 6 ft            | 72 dB     |
| Air Line Size<br>(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" (12.7mm) x 25' (7.5m)
- Static dissipating suction hose assembly 1.25" (38mm) x 10' (3m)
- Stainless steel double bend wand assembly
- Floor tool
- Crevice tool
- Round brush

## Optional Accessories:

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

## Options:

- Grounding reel

## Filtration Options:

- **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.

Explosion Proof, AIR-OPERATED