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## **AV-10/15 EX IS DS Ex Air Immersion Separator Wet Mix Dustless Sanding Vacuum Cleaners**



### Industrial Vacuums for Hazardous Materials

Explosion Proof/Dust Ignition Proof Compressed Air-Operated Pneumatic Immersion Separator Wet Mix Dustless Sanding Vacuum Cleaners

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 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 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.

PrestiVac Dustless Sanding Vacuums are specifically designed to safely vacuum the hazardous dust generated during surface preparation, coating removal and body repair in the aerospace and automotive industry. Dustless sanding Vacuums minimize contamination issues and increase production quality. Absolute **HEPA<sup>Plus\*</sup>** filtration captures all of the hazardous dust, protecting the operator and the environment from exposure to a variety of hazardous dusts including Aluminum, Barium, Cadmium, Carbon Fibers, Ceramic, Fiberglass, Heavy Metals, Hexavalent Chromium, lead, magnesium, mold, strontium, Titanium, and Zinc, etc.

Features:

- Powerful Suction - High Performance
- Static dissipating ESD safe
- All Stainless steel construction makes it a solid unit that is easy to clean and sterilize
- Complete with static dissipating suction hose, air supply hose and dustless sander
- Stainless steel Drain valve assembly for easy emptying
- Quiet operation with only 72 dB

Filtration System :

- 4-stage filtration system with cyclonic action for maximum performance and efficiency
- **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.
- Conductive ESD safe filters
- Stainless steel mist eliminator

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 IS DS	AV2-10/15 EX IS D
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	
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 with air hose for dustless sander
- Vacuum assisted dustless sander

Optional Accessories:

- Dual inlet for (2) operators
- Quadruple inlet for (4) Operators
- Stainless steel double bend wand assembly
- Floor tool
- Crevice tool
- Round brush
- Extension wand
- Single bend wand
- Wall brush
- Flat tool
- Dust extraction Arm

Options:

- Grounding reel
- Safety valve for gas vapors

Filtration Options:

- Activated Carbon Filtration System to adsorb 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.

Explosion Proof, IMMERSION SEPARATOR/WET MIX DUST COLLECTOR SANDING KITS (AIR), Immersion Separators/Wet Mix Dust Collectors Sanding Kits, EXPLOSION PROOF DIVISION 1 (AIR)