

## **AV-10/15 EX MC Ex Air Mercury Collection 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 Mercury Vacuums are specifically designed to safely vacuum mercury spills and other products contaminated with Mercury. The **Mersob®** Brand Activated Carbon Filtration System adsorbs the harmful, toxic Mercury vapours and fumes generated. **HEPA<sup>Plus</sup>** absolute filtration at 99.995% @ 0.2 micron captures any

contaminated particles. This combined filtration system provides a safe and clean working environment for the operator.

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
- Mercury Collection System
- 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:

- 5-stage Filtration System for maximum performance and efficiency
- Washable filter
- Collection filter bag
- **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
- **Mersob®** Brand Activated Carbon Filtration System to adsorb harmful, toxic Mercury vapours/fumes

#### Applications:

- Mercury spills
- Mercury Decontamination

#### 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

Industries:

- Chemical
- Hospitals
- Laboratories
- Manufacturing
- Medical labs
- Metal Working
- Mining
- Oil Refinery
- Shipboard

Specifications:

| Model                 | AV1-10/15 EX MC | AV2-10/15 EX MC |
|-----------------------|-----------------|-----------------|
| 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

Optional Accessories:

- Extension wand
- Single bend wand
- Flat tool

Options:

- Mercury Air Analyser

**Filtration Options:**

- Downstream **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.

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, MERCURY (AIR), Mercury, EXPLOSION PROOF DIVISION 1 (AIR)