



Industrial Contractors' Supplies, Inc.

- DUST DIRECTOR DIVISION -

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IPC Soteco Dust Ignition Protection & Explosion-Proof Vacuums

110 Volt, 10 Gallon Models (2)



Lightweight, Easy to Maneuver Explosion Proof Vacuum Cleaners with Enhanced Suction Power & Filtration. Designed for Safe, Convenience and Portable Housekeeping — For Commercial, Healthcare, Industry & Residential Use.

EXP-1200 (left) Portable 10 Gallon Dust Ignition Proof Vacuum for Class II Zone Conditions. Boasting a powerful 1200 watt motor, the EXP-1200 is a very practical vacuum for daily housekeeping or when working high above on scaffold or manlifts (picture, right). Providing the highest level of protection inside the recovery tank, general debris to fine powders to even moist debris are safely extraction, contained and sealed in convenient to use filter collection bags. **Legally Certified for use under Class II - Division 2 - Groups F & G Conditions.**



Model EXP1-1000 (right) - Portable 10 Gallon Explosion Proof Vacuum – provides you with the highest level of combustible dust protection for both Class I & Class II Conditions. **The basic distinguish between Class I & II (or Zone 21 & 22) is Class I (Zone 21) is for every day dust with dust accumulations exceeding 1/32". Class II (Zone 22) is for abnormal dust accumulations over 1/32".**

A example between Class I & II maybe be a shooting range where guns are fired. In this location, most (if not all) of the gunpowder is spent; hence, there are small quantities of unspent gunpowder accumulation on the floor and/or in the air. Under these conditions, this location would be considered Class II.

Likewise, when dust accumulations exceed 1/32" on at least 5% of the floor or on processing equipment in manufacturing, in most cases this is considered a Class 1 Location.



COMBUSTIBLE DUST IS A VERY REAL THREAT TO YOUR FACILITY. To understand the threat, you must first realize that *all* and *any type* of dry powders is combustible to some degree. If you are processing (manufacturing), sweeping or vacuuming any type of dry *powder* then a very real threat for a Combustible Dust Explosion exists.

OSHA estimates that over 30,000 U.S. facilities, in all types of industries, are at risk everyday for a major combustible dust explosion. The threat of an industrial explosion in your facility is very real. For this reason, OSHA recommends - and in some steps requires - that manufacturers and facilities use a certified explosion proof / dust ignition-proof vacuum as part of their regular plant maintenance program.

Certification / Approvals – Legally Certified Explosion / Dust Ignition-Proof Vacuums by IPC Soteco

If you can eliminate the dust, you can eliminate the explosion hazard. During plant maintenance, the traditional practice of sweeping or blowing will actually increase your chance of a combustible dust explosion. One of the best ways of preventing a combustible dust explosion is to use a non-conductive, 100% grounded, industrial vacuum.

However, in most cases, even an industrial grade vacuum with its carbon brushes and metal conductive parts could be the igniter that actually causes the explosion by producing a spark (electrical or static). Simply put, when it comes to safe plant maintenance not just any vacuum will do . . .

EXP-1200 Model - Legally Certified for Class II Combustible Dust Locations

HEPA Dust Ignition Protected Industrial Vacuum Cleaner. 110 volt, 11.0 amp 1000 watt motor for dry / moist debris recovery, 10 gallon, 110 cfm, 125" water lift. Size: 17" x 40", 52 lbs., Price: **\$4,900.00**

CERTIFICATIONS / APPROVALS: Class II (Zone 22) - Division 2 - Group F and G.

FEATURES / INCLUDED EQUIPMENT:

- Non-Blinding Conductive Polyester Filter Collection Bag: These bags will fill completely (to the tank's inlet port) without incurring suction drop. With everything contained within the filter bag, the outside of the bag stays clean, the inside of the tank stays clean, the HEPA filter stays clean (you may never have to purchase a replacement HEPA filter). While specifically designed for extracting ultra fine powders, you can vacuum any type of dry to moist and even sharp debris - at the same time - without having to change the filter bag or without concern of the bag accidentally tearing or bursting inside the recovery tank.
- Conductive 8 Gallon Collection Capacity with Static Dissipating Elements.
 - > 4-Wheel Dolly for Easy Maneuverability
 - > Vacuum Gauge for Checking when the Filter is full
 - > Dual HEPA Filters for Filtering the Incoming Cooling *Motor* Air and the Outgoing Exhaust Air.
- All Stainless Steel AISI 304 Construction (except *conductive* plastic components)
- Static Dissipative and Conductive HEPA Filter, efficiency of 99.95% @ 0.3 microns -
 - > Tested: IEST RP-CC001.3. H14 by MPPS method as per EN 1822
 - > North America: Each HEPA Filter has a minimum filtration efficiency of 99.99% on 0.3 micron. Tested as per IEST-RP-CC001.3 and OSHA compliant
 - > Europe: Each HEPA Filter has a minimum filtration efficiency of 99.95% on 0.3 micron, rated H14 as per EN 1822 by MPPS method.
- Washable main and pre-filter cloth filters w/ stainless steel filaments, 1 micron efficiency
- Conductive Polyester Filter Collection Bags (3 included)
- Each model includes the following Static Dissipative Hose & Nozzle Kit: 2" x 10' static dissipating Kanaflex suction hose with 2" suction intake cuff, 2" x 27" (2 pcs.) stainless steel wands with aluminum attachment, 2" x 16" floor brush assembly with conductive bristles and rubber blades, 2" x 11" crevice tool, 2" x 8" dusting hand tool, 2" x 10" conical angle brush with curved conductive tip.
- Filter Collection Bags, #212994-SD (Package of 3): **\$85.00**
- Vacuum Indicator Light. **Warranty:** Motor 1 Yr., Tank 3 Yrs.



EXP1-1000 Model - Legally Certified Explosion Proof HEPA Vacuum, Class I & II Conditions

110 volt, 9.0 amp "brushless" 1000 watt motor for dry debris recovery, 10 gallon 132 cfm, 69" of water lift, size: 18" x 33", 82 lbs., Price: **\$8,500.00**

CERTIFICATIONS / APPROVALS:

- Class I (Zone 21) - Division 1 - Groups D, TC3
- Class II (Zone 22) - Division 1 - Groups E, F and G.

FEATURES, INCLUDED EQUIPMENT:

- HEPA Filter: Same efficiency, testing and ratings as the above EXP-1200
- Stainless Steel 10 Gal Recovery drum, type 304 construction, 6 gal recovery capacity
- 4 wheel dolly with locking non-sparking wheels
- Vacuum Gauge for Checking when the Filter is Full
- Washable main cloth filter assembly w/ stainless steel filaments, 1 micron efficiency; washable pre-filter assembly
- **2 Year Warranty Parts & Labor**
- Filter Collection Bags, #212994-SD (Package of 3): **\$85.00**
- Each model includes the following Static Dissipative Hose & Nozzle Kit: 1.5" camlock type suction inlet, 33' power supply w/ 15 amp ground plug, 1.5" x 10' static dissipating Kanaflex suction hose, 1.5" x 18" aluminum universal tool with conductive bristles, 1.5" x 27" (2 pcs.) stainless steel wand assembly with aluminum attachment, 1.5" x 11" crevice tool, 1.5" x 10" conical nozzle with curved tip (conductive rubber)

