



# EXP1-20 (DT) RE HEPA (MFS)

Aluminum Vacuum - Dry Recovery  
(Electric Operated; Single Phase)



EXP1 models certified for :  
Class I, Division 1, Group D T3C and Class II, Division 1, Groups E, F and G



**GUARANTEED** to be capable of safely recovering combustible/conductive dusts &/or flammable liquids.

## Characteristics



Explosion Proof



Resistivity: Less than 10 ohms



HEPA Included



ULPA Optional



Dry Recovery



Stainless Steel AISI 304



Static Dissipating Toolkit



High Efficiency



Detachable Tank



Cleanroom Applications

**Description:** Model EXP1-20 DT (MFS) RE HEPA Explosion Proof Vacuum Cleaner System, Stainless Steel SAE 304 construction (except cart). Electrically operated single phase for dry recovery only, 132 cfm & 69" of waterlift.

### Includes:

- \* HEPA filter; efficiency of 99.995% on 0.3 microns for the recovery of toxic nuisance dust
- \* (1) Washable main cloth filter assembly w/stainless steel filaments, 1 micron efficiency \*esd
- \* Stainless steel detachable recovery tank, type 304, 18 gauge, 6.25 gallon recovery capacity
- \* 2" Vacuum intake with leak proof fittings, camlock type, meets MIL SPEC-C-27487
- \* Cart with 4 conductive wheels (front wheels lock), stainless steel middle ring assembly with a manual filter shaker
- \* Tool basket for accessory storage
- \* 50' Power supply cable, SOW 14 [No Male Plug installed]
- \* 1.5" x 10' Static Dissipating Kanaflex Suction Hose Assembly for a 2" camlock inlet with leak proof fittings, camlock type, meets MIL SPEC-C-27487
- \* 1.5" (2 pcs) Stainless steel wand assembly with aluminum attachment
- \* 1.5" x 18" Aluminum universal tool assembly with conductive bristles and rubber blades
- \* 1.5" x 11" Stainless steel crevice tool
- \* 1.5" x 5" Aluminum dusting brush with conductive bristles
- \* 1.5" x 10" Conical nozzle with curved tip (conductive rubber)
- \* MultiMeter
- \* Poly liner with draw string, static dissipating.
- \* Poly liner retainer plate with clip - prevents poly liner being drawn up and blocking suction.



Optional Sanders not included.



10' Kanaflex hose included.

All stainless steel SAE 304 construction (except cart). Less than 10 Ohms of resistivity. This unit is equipped with a true HEPA (H14) Filter located downstream of the motor. This unit is cleanroom compatible. This unit has been designed for applications where finely pulverized dust is to be recovered. This dry only unit contains a Manual Filter Shaker (MFS) system. All of our HEPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

## Specifications

	Unit	EXP1-20L (DT) RE HEPA (MFS)
Part#		110364A
Weight	Lbs	100
Filter Cleaning		MFS
Decibels	dB	75
Dimensions	Inches	H43 × W26 × L26
Dry Recovery	Gal	5
Vacuum Pressure	Inches H <sub>2</sub> O	69
Air Flow	CFM	132
Phase		Single
Horse Power	HP	1.3
Amperage	A	9
Wattage	W	1000
Hertz	Hz	60
Voltage	V	120
Plug		Not Inc.

### High Efficiency Particulate Air Filter

A HEPA filter is a type of air filter, which means it filters the air coming in or out of the vacuum cleaner system. It can remove at least 99.99% of dust, pollen, mould, bacteria and any other airborne particles with a size of 0.3 micron or larger. 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.

### Explosion Proof Requirement

In order for the manufacturer to legally certify an Explosion Proof/Dust Ignition Proof vacuum cleaner system the unit must be static dissipative (SD\*) and conductive and have a resistivity measuring less than 10 Ohms to any point on the vacuum cleaner system. This makes the unit eligible to be Explosion Proof/Dust Ignition Proof and be part of the manufacturer's quality control management system ISO 9001:2008.

**IMPORTANT:** When using a pneumatic Explosion Proof Vacuum Cleaner System the customer must make sure that the source of air supply (compressor) is grounded.

### Ex-Mat Recovery



The manufacturer, **GUARANTEES**, that these units can be used to safely recover combustible /conductive dusts and/or flammable liquids.

The ATEX marking certifies only, by it's Ingress of Protection (IP), the capacity of the vacuum cleaner to be in the presence of combustible /conductive dusts and/or flammable liquids but does not certify the capacity of the vacuum cleaner to recover them.

### Detachable Recovery Tank



Many of our vacuum cleaners come equipped with a detachable tank for the easy disposal of recovered materials. Our detachable tanks range in size from 20 to 160 liters (5.28 gal to 42.25 gal) and are available in stainless steel or powder coated, with or without wheels for maneuverability.