

### Characteristics



- ULPA Filter - Included with an efficiency of 99.999% on 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% on 0.18 micron. Tested: IEST RP-CC001.3. U15 by MPPS method as per EN 1822.
- \*Cleanroom compatible with ISO Class 4 (former Class 10). Can be used in the pharmaceutical industry
- Static free and ESD safe. EMI/RFI Shielded. TELECOM package available
- 3-stage filtration system include an ULPA Filter U15, Cloth Filter and Disposable Filter Bag.
- Designed for general cleanup in contamination controlled environments
- Single phase thru-flow motor
- Dual Speed Control to regulate suction
- For dry recovery only
- Filter Chamber and Recovery Tank are made of stainless steel AISI 316 and are autoclavable.
- Available with a Safe Containment Canister for the safe collection, containment and disposal of potent compounds
- Recovery capacity of 4 gallons (15.2 liters) in recovery tank or 2 gallons ( 7.6 liters) in Disposable Filter Bag
- Based on a 4-wheel dolly for easy maneuverability
- Available with 3 optional tool kits - standard, ESD safe and autoclavable

Chrome plated steel construction. Filter Chamber and Recovery Tank are made of stainless steel AISI 316 and are autoclavable. Electropolished version is available. This unit is equipped with a true ULPA Filter (U15) located downstream of the motor. This unit is equipped with a 3-stage filtration system consisting of an ULPA Filter (U15), Main Cloth Filter and Disposable Filter Bag. This unit is also available with a Safe Containment Canister for the safe collection containment and disposal of potent compounds. The Canister is sealed and a Disposable Filter Bag is located at the Exhaust. The entire Canister can be disposed of when full. This unit is cleanroom compatible and can be used in the pharmaceutical industry. This unit has been designed for general cleanup in contamination controlled environments. This is a dry recovery only vacuum cleaner. All of our HEPA/ULPA vacuum cleaners are Aerosol Leak Tested before leaving our facility.

## Specifications

Unit	EMI-1000 WITH STAINLESS STEEL TANK	EMI-1000 WITH STAINLESS STEEL TANK	EMI-1000 WITH STAINLESS STEEL TANK	EMI-1000 WITH STAINLESS STEEL TANK	EMI-1000 WITH SAFE CONTAINMENT CANISTER	EMI-1000 WITH SAFE CONTAINMENT CANISTER	EMI-1000 WITH SAFE CONTAINMENT CANISTER	EMI-1000 WITH SAFE CONTAINMENT CANISTER
Part#	110133B	110133C	110133D	110133E	110132B	110132C	110132D	110132E
Weight	36	36	36	36	36	36	36	36
Filter Cleaning	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Decibels	70	70	70	70	70	70	70	70
Dimensions	H34 x W16 x L16	H34 x W16 x L16	H34 x W16 x L16	H34 x W16 x L16	H34 x W16 x L16	H34 x W16 x L16	H34 x W16 x L16	H34 x W16 x L16
Dry Recovery	4	4	4	4	N/A	N/A	N/A	N/A
Paper Bag Capacity	2	2	2	2	N/A	N/A	N/A	N/A
Containment Recovery	N/A	N/A	N/A	N/A	2	2	2	2
Vacuum Pressure	95	95	95	95	95	95	95	95
Air Flow	120	120	120	120	120	120	120	120
Phase	Single	Single	Single	Single	Single	Single	Single	Single
Horse Power	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Amperage	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Wattage	1000	1000	1000	1000	1000	1000	1000	1000
Hertz	50	50	50	50	50	50	50	50
Voltage	240	240	240	240	240	240	240	240
Plug	European Plug	UK Plug	Swiss Plug	Chinese Plug	European Plug	UK Plug	Swiss Plug	Chinese Plug

---

## 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.

Europe: Each HEPA Filter has a minimum filtration efficiency of 99.995% on 0.3 micron, rated H14 as per EN 1822 by MPPS method.

[Click here to download Tiger-Vac's HEPA Filter's standards chart.](#)

---

## Ultra Low Penetration Air Filter

A ULPA filter is a type of air filter. It can remove at least 99.999% of dust, pollen, mould, bacteria and any other airborne particles with a size of 0.12 microns or larger.

North-America: Each ULPA Filter has a minimum filtration efficiency of 99.999% on 0.12 micron. Tested as per IEST-RP-CC001.3.

Europe: Each ULPA Filter has a minimum filtration efficiency of 99.9995% on 0.18 micron, rated U15 as per EN 1822 by MPPS method.

---

## EMI Suppression / RFI Shielding

These cleanroom vacuum cleaners are equipped with an electronic filter suppresser which reduces electromagnetic interference (EMI), both radiated and conducted, below class B limits for digital apparatus as established by the FCC and ISO. It also provides shielding against RFI (Radio Frequency Interference). The electronic filter is wired in line with the motor. If the electronic filter should fail, power to the motor will automatically be cut-off. These vacuum cleaners will not disrupt computers, radio and video monitors and other sensitive electronic equipment.

---

## Static Free Vacuum System (ESD Safe)

The vacuum cleaner is designed to be grounded during use. Any static electricity that is produced while vacuuming is dissipated through the conductive hose, through the vacuum cleaner and it is discharged to the ground. A ground continuity tester is included with every vacuum cleaner to verify ground continuity before use. The ESD safe vacuum cleaners eliminate static electricity and static charge buildup and they protect sensitive electronic equipment.

---

### ULPA FILTER - Included

Part#	Qty	Description
211027	1	ULPA FILTER (U15)

### FILTERS - Included

Part#	Qty	Description
212503T	1	PTFE LAMINATED MAIN FILTER ASSEMBLY WITH BLACK PLASTIC RING

### DISPOSABLE FILTER BAGS FOR CWR-10 (PHARMA) FOR MODEL EMI-1000 WITH STAINLESS STEEL TANK - Optional

Part#	Qty	Description
212500	1	PAPER FILTER BAGS (PACKAGE OF 5)



**Arc Technologies**

Worldwide Technology For Controlled Environments

Web site: [www.arctechnologies.co.uk](http://www.arctechnologies.co.uk)

email: [achambers@arctechnologies.co.uk](mailto:achambers@arctechnologies.co.uk)

Tel: **+(44)0115 928 1508**

SAFE CONTAINMENT CANISTER FOR MODEL EMI-1000 WITH SAFE CONTAINMENT CANISTER - Included		
Part#	Qty	Description
212522	1	SAFE CONTAINMENT CANISTER ASSEMBLY

STANDARD TOOLS AND ACCESSORIES - KIT #1 - Optional		
Part#	Qty	Description
323606	1	SUCTION HOSE ASSEMBLY (STANDARD TYPE) 1.25"(32mm)x8'(2.4m) FOR MODEL CR-1000
323504A	1	TELESCOPIC EXTENSION WAND FOR MODEL CR-1 (REPLACEMENT FOR MODEL T1), PLASTIC
323508	1	FLOOR TOOL 1.25"(32mm) x 14"(35.6cm) BLACK, FOR AS-5 AND CR-1
323510	1	CREVICE TOOL FOR AS-5 AND CR-1 1.25"(32mm)x8"(20.3cm)
323514	1	DUSTING BRUSH FOR AS-5 AND CR-1 1.25"(32mm)x3"(76mm)
323512	1	UPHOLSTERY TOOL FOR AS-5 AND CR-1 1.25"(32mm)x5"(13cm)

ESD SAFE TOOLS AND ACCESSORIES - KIT #2 - Optional		
Part#	Qty	Description
323316	1	MICRO TOOL KIT, Ø1.25"(32mm), ESD* SAFE PLASTIC
323608	1	SUCTION HOSE ASSEMBLY, ESD SAFE, 1.25"(32mm)x8'(2.4m) FOR MODEL CR-1000
323331	1	WANDS 1.25"(32mm) STAINLESS STEEL(SET OF 2) - ONE CURVED AND ONE STRAIGHT
323318A	1	UTILITY FLOOR TOOL, Ø1.25"(Ø32mm) x 12"(30cm), STATIC CONDUCTIVE PLASTIC w/CONDUCTIVE NYLON BRISTLES
323313A	1	CREVICE TOOL, Ø1.25"(32mm), ESD SAFE PLASTIC
323312A	1	ROUND BRUSH, Ø1.25"(32mm), ESD SAFE PLASTIC
323321A	1	ROUND TOOL, WITH RUBBER BLADES, Ø1.25"(32mm), ESD SAFE PLASTIC
323314A	1	UPHOLSTERY FLAT TOOL, Ø1.25"(32mm), ESD SAFE PLASTIC

AUTOCLAVABLE TOOLS AND ACCESSORIES - KIT #3 - Optional		
Part#	Qty	Description
323462	1	EPDM SUCTION HOSE ASSEMBLY (AUTOCLAVABLE) 1.25"(32mm)x8'(2.4m) FOR MODEL CR-1000
323331	1	WANDS 1.25"(32mm) STAINLESS STEEL(SET OF 2) - ONE CURVED AND ONE STRAIGHT
323412	1	FLOOR TOOL ASSEMBLY, AUTOCLAVABLE, Ø1.25"(32mm)x12"(30cm) -STAINLESS STEEL
323413	1	CREVICE TOOL, AUTOCLAVABLE, Ø1.25"(32mm)x10"(25.4cm) -STAINLESS STEEL
323565	1	CONICAL NOZZLE ASSEMBLY WITH CURVED TIP 1.25"(32mm)x10"(25cm) CLEAR SILICONE (323564+323342)

## WARNINGS:

Do not use this vacuum cleaners to recover explosive dusts or flammable liquids



**Arc Technologies**

Worldwide Technology For Controlled Environments

Web site: [www.arctechnologies.co.uk](http://www.arctechnologies.co.uk)

email: [achambers@arctechnologies.co.uk](mailto:achambers@arctechnologies.co.uk)

Tel: +(44)0115 928 1508