



Applicable requirements:
ANSI/UL 1017
CSA C22.2 No. 243

Characteristics



Cleanroom Applications



Pharma Applications



HEPA Included



ULPA Optional



High Efficiency



Accessories Included



Activated Carbon



Dry Recovery



Mercury Recovery



Stainless Steel



- 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. Can be used in the pharmaceutical industry
- Designed for mercury recovery
- Thru-Flow motor
- Dry recovery only
- Stainless steel SAE 304 recovery tank
- EMI/RFI shielded
- Timer (hour counter) included
- Available with an optional variable speed controller
- Includes Mersorb® brand activated carbon for the adsorption of mercury vapors
- Includes a suction hose, mercury separator and jars with lids
- based on a 4-wheel dolly

Stainless steel SAE 304 recovery tank. These units contain a true HEPA Filter (H14) located upstream of the motor and a true ULPA Filter (U15) located downstream of the motor. These units are designed for mercury recovery and include Mersorb® brand activated carbon for the adsorption of mercury vapors. A mercury separator and jars with lids are included. This unit are EMI/RFI shielded. All of our HEPA/ULPA vacuum cleaner are Aerosol Leak Tested before leaving our facility.

Specifications

	Unit	MRV-1000 CR SS
Part#		112130A
Filter Cleaning		NONE
Dry Recovery	L	15.1
Paper Bag Capacity	L	7.6
Vacuum Pressure	mm H ₂ O	2413
Air Flow	m ³ /h	204
Phase		Single
Horse Power	HP	1.3
Amperage	A	8.5
Wattage	W	1000
Hertz	Hz	60
Voltage	V	120
Plug		120V 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.

ULPA FILTER - Included

Part#	Qty	Description
211027	1	ULPA FILTER (U15)

PRE-FILTERS AND ACCESSORIES - Included

Part#	Qty	Description
217730	1	POLYESTER FILTER ONLY, FOR MRV-900 (HMR) & MRV-1000 CARBON HOUSING
214313	1	TRIDON CLAMP STAINLESS STEEL #096; 114/165MM

DISPOSABLE FILTER BAGS - Included

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

ACTIVATED CARBON CARTRIDGE - Included

Part#	Qty	Description
212214A	1	CARBON HOUSING ASSEMBLY WITH 1.5mm MERSORB FOR MODELS MRV-900 (HMR) & MRV-1000

MERCURY RECOVERY SEPARATOR AND ACCESSORIES - Included

Part#	Qty	Description
212208	1	MERCURY SEPARATOR -STAINLESS STEEL(INCLUDES 2 MERCURY RECOVERY JARS AND (2) LIDS FOR JAR)
212210-8	1	JAR FOR MERCURY RECOVERY 8 oz (216 ml) WITH LID
212211	1	CLEAR SUCTION HOSE ASSEMBLY 1"(25.4mm)x8'(2.4m) FOR USE WITH MERCURY SEPARATOR

MERCURY RECOVERY JARS - Optional

Part#	Qty	Description
212210	1	JAR FOR MERCURY RECOVERY 20oz(540 ml) WITH LID

WARNINGS:

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