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

Characteristics

Cleanroom Applications	Pharma Applications	HEPA Included	High Efficiency
Accessories Included	Activated Carbon	Wet & Dry Applications	Mercury Recovery

- HEPA Filter - Included with an efficiency of 99.995% on 0.3 micron. Tested: IEST RP-CC001.3. H14 by MPPS method as per EN 1822.
- *Cleanroom compatible. Can be used in the pharmaceutical industry
- Designed for mercury recovery
- Pneumatically (air) operated
- Wet & dry recovery
- Available with a high-density polyethylene recovery tank
- EMI/RFI shielded
- Includes a timer (hour counter)
- Includes Mersorb® brand actibated carbon for the adsorption of mercury vapors
- Includes a suction hose, mercury separator and jars with lids
- based on a 4-wheel dolly

High-density polyethylene recovery tank. This unit contains a true HEPA Filter (H14) located upstream of the motor. This unit is designed for mercury recovery and includes a Mersorb® brand activated carbon for the adsorption of mercury vapors. A mercury separator and jars with lids are included. Includes a timer (hour counter). This unit is EMI/RFI shielded. All of our HEPA/ULPA vacuum cleaner are Aerosol Leak Tested before leaving our facility.

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MRV-15 AIR (STD) Brochure - Downloaded: December 19, 2012 - Modified: October 23, 2012 - Page:1 / 3

Specifications

	Unit	MRV-15 AIR (STD)
Part#		110807
Weight	kg	39
Filter Cleaning		NONE
Dimensions	cm	H117 × W51 × L69
Wet Recovery	L	75.7
Dry Recovery	L	37.9
Paper Bag Capacity	L	18.9
Vacuum Pressure	mm H_2O	4318
Air Flow	m^3/h	187
Venturi		Single
Minimum Compressor HP	HP	15
Air Line Size		1/2"
Input Air Volume	m^3/h	76.5
Input Air Pressure	PSI / Bar	80 / 5.5
Airjet		6 mm

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 airborn 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 airborn 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 Suppresion / 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.

HEPA FILTER - Included

Part#	Qty	Description
211027B	1	HEPA FILTER (H14)

FILTERS - Included

Part#	Qty	Description
211305	1	DOUBLE CLOTH FILTER ASSEMBLY
211394	1	LIQUID FILTER ASSEMBLY

ACTIVATED CARBON CARTRIDGE - Included

Part#	Qty	Description
212200C	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm MERSORB (FOR MERCURY VAPORS)

ACTIVATED CARBON CARTRIDGES - Optional

Part#	Qty	Description
212200B	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm CARBON (REGULAR)
212200K	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm KOGC3/KINA3 CARBON (FOR CHLORIDE VAPORS)
212200L	1	CARBON CARTRIDGE ASSEMBLY WITH 3mm A-3 CARBON (FOR ARSINE AND PHOSPHINE VAPORS)

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	1	JAR FOR MERCURY RECOVERY 20oz(540 ml) WITH LID
212211	1	CLEAR SUCTION HOSE ASSEMBLY 1"(25.4mm)x8'(2.4m) FOR USE WITH MERCURY SEPARATOR

POLY LINER RECOVERY BAGS - Included

Part#	Qty	Description
212368	1	POLY LINERS (PACKAGE OF 5)

DISPOSABLE FILTER BAGS AND ACCESSORIES - Included

Part#	Qty	Description
211063	1	PAPER FILTER BAGS (PACKAGE OF 5)
211845	1	PVC PIPE CONNECTOR FOR PAPER FILTER BAG FOR CWR-15 POLY TANK & MRV-15 (WITH 4 CRIMPS TO FIT ELBOW)

TOOLS AND ACCESSORIES - Included

Part#	Qty	Description
212215	1	CLEAR URETHANE SUCTION HOSE ASSEMBLY 10'(3m)WITH 1.5"(38mm) FEMALE CAMLOCK(PVC) ON ONE END
381092	1	DRAIN HOSE ASSEMBLY 0.75"(19mm)x5'(1.5m)CLEAR HOSE WITH 0.75"(19mm) PVC FEMALE CAMLOCK
211787	1	AIR SUPPLY HOSE ASSEMBLY STANDARD TYPE Ø0.5"(12.7mm)x50'(15m)W/1 MALE QUICK DISC&1 FEMALE QUICK DISC
381197	1	CREVICE TOOL 11" (27.9cm) -GREY PVC
381207	1	REDUCER/ADAPTOR Ø1.5"(38mm) TO Ø1.25"(32mm) -PVC
323312	1	ROUND BRUSH, Ø1.25"(32mm)
323314	1	UPHOLSTERY FLAT TOOL, Ø1.25"(32mm), PVC
381380	1	FLOOR TOOL 14"(35.6cm) ABS WITH NYLON BRUSHES
381381	1	FLOOR TOOL 14"(35.6cm) WITH SQUEEGEE -ABS
381382	1	REPLACEMENT SQUEEGEE BLADES (SET) FOR 14"(35.6cm) FLOOR TOOL (ABS & ALUMINUM)
381351A	1	WAND PVC DOUBLE BEND 54"(1.4m) WITH ABS AMERICAN ATTACHMENT

WARNINGS:

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