

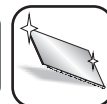
MRV-8 Series

Electrically operated Cleanroom Vacuum cleaner systems for the recovery of Mercury.

MRV-8 Series, models MRV-8 Poly, MRV-8 CR Poly and MRV-8 CR S/S



Cleanroom compatible



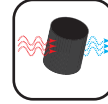
Stainless Steel



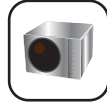
HEPA filter



ULPA filter



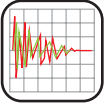
Activated Carbon cartridge



Autoclavable



Mercury pick-up



EMI-RFI shielded



MRV-8 Poly:

- Mercury recovery vacuum cleaner system with polyethylene recovery tank.
- Includes mercury separator and suction hose. Optional hour counter available.
- HEPA Filter efficiency of 99.995% @ 0.3 micron. Tested: IEST RP-CC001.3. H14 by MPPS method as per EN 1822.
- Mersorb© Activated Carbon to neutralize mercury vapors by adsorption.

MRV-8 CR Poly:

- Mercury recovery vacuum cleaner system with polyethylene recovery tank and polished powerhead.
- Includes mercury separator, hour counter and suction hose.
- HEPA Filter efficiency of 99.995% @ 0.3 micron. Tested: IEST RP-CC001.3. H14 by MPPS method as per EN 1822.
- Cleanroom (CR) version with external ULPA filter: ULPA Filter efficiency of 99.999% @ 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% @ 0.18 micron. Tested: IEST RP-CC001.3. U15 by MPPS method as per EN 1822.
- Mersorb© Activated Carbon to neutralize mercury vapors by adsorption.

MRV-8 CR S/S:

- Mercury recovery vacuum cleaner system with autoclavable recovery tank (Stainless steel type AISI 316) and wheels
- Includes mercury separator, hour counter and suction hose.
- HEPA Filter efficiency of 99.995% @ 0.3 micron. Tested: IEST RP-CC001.3. H14 by MPPS method as per EN 1822.
- Cleanroom version with stainless steel powerhead and ULPA Filter: ULPA Filter efficiency of 99.999% @ 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% @ 0.18 micron. Tested: IEST RP-CC001.3. U15 by MPPS method as per EN 1822.
- Mersorb© Activated Carbon to neutralize mercury vapors by adsorption.



Arc Technologies

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For Controlled Environments

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Performance Chart

CE Model	Phase/Volts 50 Hz	Electric current	Electric power	Airflow	Vacuum at sealed orifice	Recovery capacity
MRV-8 Series	1/240	4.6A	1 kW	166 m ³ /h	2.050 mm H ₂ O	591 ml
Filter surface area: 1070 cm ² (HEPA only) - 7.570 cm ² (HEPA and ULPA)						
Noise level: 70 dB(A) at 2m.						

Included with the MRV-8 Series (all models)



Clear suction hose, with smooth interior and exterior.

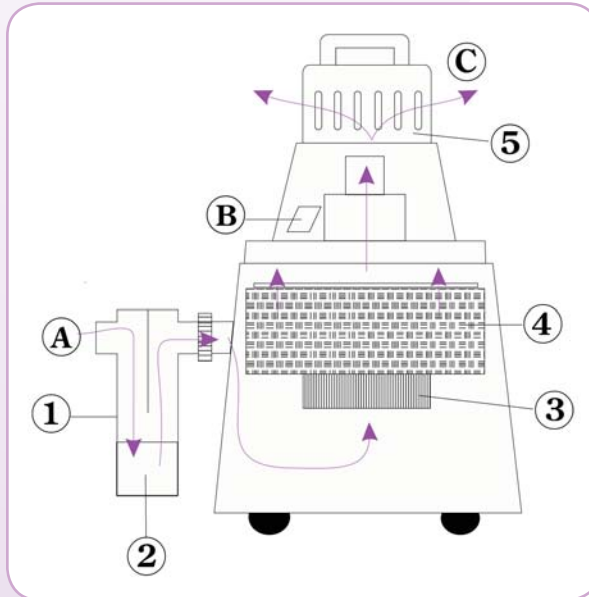


Mercury recovery separator. Includes 2 recovery jars and lids.



Replacement Mercury recovery jars with lid.

Filtration system



Item	Description
1- Mercury Separator: (#212208)	Separates the liquid mercury and directs it into the recovery jar. The mercury separator is made entirely of stainless steel for excellent corrosion resistance and easy decontamination.
2- Detachable Mercury Recovery Jar: (#212210)	Allows for convenient disposal of recovered mercury. Two jars (complete with lids) are included with the mercury vacuum.
3- HEPA Filter:	With 99.99% efficiency on particles as small as 0.3 microns. This HEPA filter is assembled with the Carbon cartridge.
4- Carbon Cartridge Assembly: (#212200A, 7.5 lbs/35. kg)	For the adsorption of mercury vapors and odors. Designed to completely adsorb mercury vapors for one hour of continuous exposure. After one hour of exposure the concentrations of mercury vapors will begin to rise above 0.000 mg/M . Once the carbon has been exposed to mercury vapors for one hour, it is the operator's responsibility to ensure that the exhaust air falls within permissible exposure limits. The recommended device is the Jerome brand mercury analyser or other similar device (not included with vacuum cleaner).
5- ULPA filter: (#211027)	ULPA Filter efficiency of 99.999% @ 0.12 micron. Tested: IEST RP-CC001.3. Filtration efficiency of 99.9995% @ 0.18 micron. Tested: IEST RP-CC001.3. U15 by MPPS method as per EN 1822.
A- Suction intake (air and mercury)	
B- Electronic filter suppressor for electromagnetic interference. Meets FCC norms for Class B computing devices.	
C- Clean air exhaust	