


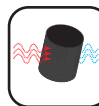




# MRV-15 Series

Electrically or pneumatically (air) operated Cleanroom Vacuum cleaner systems for the recovery of Mercury.  
Models MRV-15 ELEC (STD) and MRV-15 (AIR) STD



Characteristics:

 Cleanroom compatible	 HEPA filter	 Toolkit included
 Activated Carbon cartridge	 WET DRY Applications	 Mercury recovery

- Mercury recovery vacuum cleaner system with polyethylene recovery tank and Middle Ring assembly.
- For wet and dry recovery.
- Electrically or pneumatically (air) operated powerhead.
- HEPA Filter efficiency of 99.995% @ 0.3 micron. Tested: IEST RP-CC001.3.
- Mersorb© Activated Carbon to neutralize mercury vapors by adsorption.
- Includes mercury separator, hour counter (for electric model only) and suction hose.
- Can be converted into an acid recovery unit (ARU).

**Tiger-Vac®**  
...The name to vacuum with

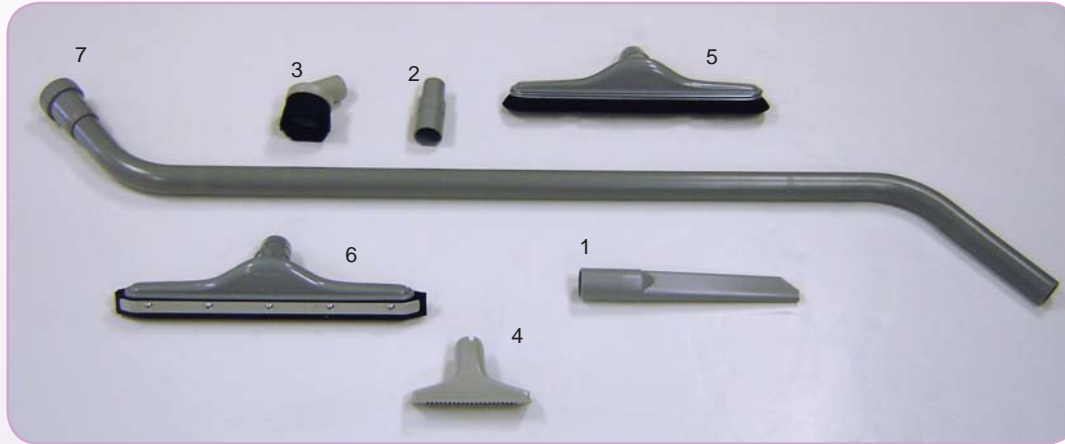
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<p>Toll free telephone: 1 800 668-4437 (Fax: 1 800 668-4439) <a href="http://www.tiger-vac.com">http://www.tiger-vac.com</a></p>	

## Electrical and Pneumatic Performance Chart

Model	Phase/Volts 60 Hz	Electric current	Electric power	Airflow	Vacuum at sealed orifice	Recovery capacity (Paper filter bag / Tank)
MRV-15 ELEC (STD)	1/120	10.5 A	1.2 kW	110 CFM	110" H <sub>2</sub> O	5 Gal/10 Gal
Noise level: 70 dB(A) at 2m			Filter surface area: 16.950cm <sup>2</sup>			

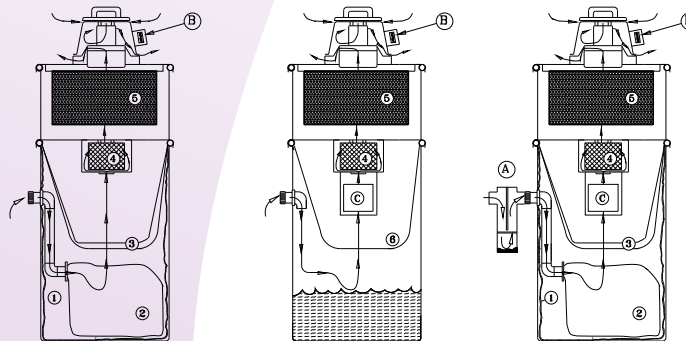
Compressor size	Air line size	Input Air pressure/bar	Suction intake Ø	Vacuum H <sub>2</sub> O	Airflow
30 HP	0.5" (12.7 mm)	80 PSI /5.5 Barr	1.5" (38mm)	170" (4320mm)	110 CFM/52 l/s
30 HP	0.5" (12.7 mm)	100 PSI / 6.9 Barr	1.5" (38mm)	200" (5080mm)	95 CFM / 45 l/s

### Included with the MRV-15 Series



1-	Crevice Tool. 11". PVC
2-	Reducer. Ø1½" to Ø1¼"
3-	Round brush. 3". PVC
4-	Upholstery tool. PVC
5-	Floor brush with Nylon bristles. 14". ABS
6-	Squeegee tool with squeegee blades for liquid recovery. 14". ABS Replacement squeegee blades (set of 2, not shown).
7-	Double bend wand with ABS American attachment. 54". PVC.
8-	Replacement Mercury recovery jars with lid. 20oz
9-	Clear suction hose, with smooth interior and exterior.
10-	Mercury recovery separator. Includes 2 recovery jars and lids.

### Filtration system



Item	Description
A- Mercury Separator & detachable mercury recovery jar:	Separates the liquid mercury and directs it into the recovery jar. The mercury separator is made of stainless steel for excellent corrosion resistance and easy decontamination. Separator assembly includes 2 jars.
B- Hour Counter / Timer:	Facilitates the measuring of the carbon filter life.
C- Floater:	Cuts-off suction when recovered liquids reach capacity level.
1- Poly liner:	Clear poly line (6 mil) disposable, to facilitate recovery and disposal.
2- Paper Filter Bag:	Disposable paper filter bag with latex micro-liner, on micron efficiency. Facilitates recovery and disposal.
3- Double Cloth Filter:	Washable, one micron efficiency
4- HEPA Filter:	99.99% efficiency on 0.3 microns
5- Carbon Cartridge Assembly:	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/M3. 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 analyzer or other similar devices. (Not included with the vacuum cleaner.
6- Liquid Filter:	Made of polypropylene mesh. Prevents large particles from being sucked-up during liquid recovery.

For complete details please visit our website: [WWW.TIGER-VAC.COM](http://WWW.TIGER-VAC.COM) or contact one of our technical representatives.

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