

# MRV-16

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

Models MRV-16 (4W) SS



## Characteristics:



Cleanroom compatible



HEPA filter



Toolkit included



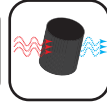
Stainless Steel



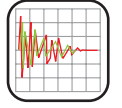
Wet & dry Applications



Mercury pick-up



Activated Carbon cartridge



EMI-RFI shielded



- Mercury recovery vacuum cleaner system with autoclavable recovery tank (Stainless steel type AISI 316) and wheels
- Cleanroom compatible.
- For wet and dry recovery.
- 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.
- Includes mercury separator, hour counter (for electric model only) and suction hose.
- EMI/RFI suppressor.

**Tiger-Vac®**

*...The name to vacuum with*

Tiger-Vac Europa Srl  
Via Marie Curie 17  
Zona Industriale Ponte Rizzoli  
40064 Ozzano Emilia BO ITALIA  
Tel.: 39 051 795352  
Fax.: 39 051 4695077  
E-mail: [info@tiger-vac.it](mailto:info@tiger-vac.it)  
<http://www.tiger-vac.eu>

## Electrical and Pneumatic Performance Chart

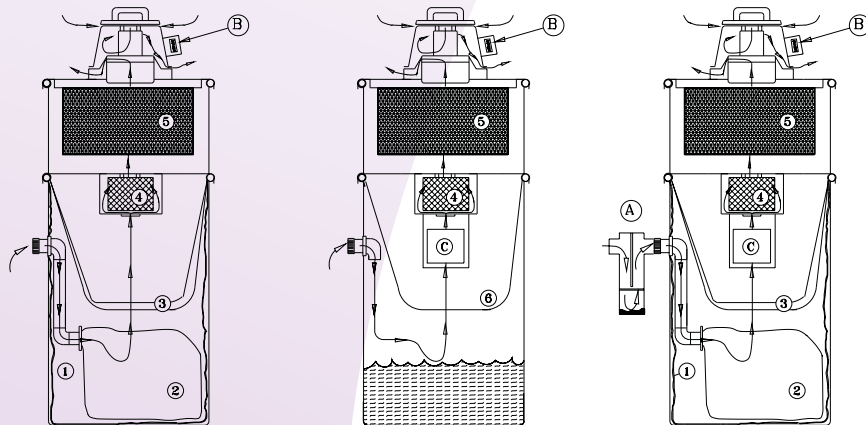
CE Model	Phase/Volts 50 Hz	Electric current	Electric power	Airflow	Vacuum at sealed orifice	Recovery capacity
MRV-16 (4W) SS	1/240	5A	1.05 kW	173 m <sup>3</sup> /h	2.100 mm H <sub>2</sub> O	19ℓ / 40ℓ
Filter surface area: 16.950 cm <sup>2</sup>						
Noise level: 70 dB(A) at 2m.						

### Included with the MRV-16



1-	Wand 2 pcs Stainless Steel
2-	Floor Toll 35mm ABS with nylon bristles for dry recovery
3-	Floor tool 35mm ABS with rubber blades for liquid recovery
4-	Crevice tool PVC 28cm
5-	Reducer 38mm to 32mm
6-	Round brush PVC 7.5cm
7-	Upholstery Tool PVC
8-	Clear suction hose Ø38mm X 3m.
9-	Replacement Mercury recovery jars with lid. 540ml
10-	Mercury recovery separator. Includes 2 recovery jars with 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/M <sup>3</sup> . 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 at [WWW.TIGER-VAC.EU](http://WWW.TIGER-VAC.EU) or contact one of our technical representatives.  
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