

# Tiger-Vac®

## Mercury Recovery Vacuum Cleaner Systems

### Tiger-Vac MRV-8 Series (Dry Recovery)

#### All models include:

- ✓ Internal HEPA Filter
- ✓ Suction Hose with Mercury Separator
- ✓ Mersorb™ Activated Carbon for the adsorption of Mercury vapors



**MRV-8 Poly  
(P/N 110116)**

- Mercury recovery vacuum cleaner with polyethylene recovery tank.
- Includes mercury separator
  - Suction Hose
  - Timer (Hour Counter) is optional



**MRV-8 CR Poly  
(Clean Room Version)  
(P/N 110115)**

- Mercury recovery vacuum cleaner with polyethylene recovery tank and polished power head.
- Clean room version with external ULPA filtration: 99.999% efficiency on 0.12 micron.
- Includes mercury separator
- Suction Hose
- Timer (Hour Counter)



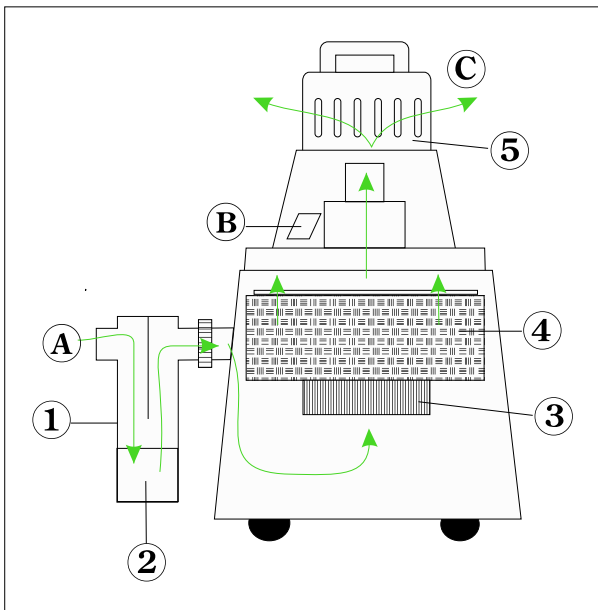
**MRV-8 CR S/S (Clean Room Version)  
(P/N 110118)**

- Mercury recovery vacuum with autoclavable recovery tank (stainless steel type 316) and wheels.
- Clean room version with stainless steel power head with ULPA filtration: 99.999% efficiency on 0.12 micron.
- Includes mercury separator
- Includes External ULPA filter
- Suction Hose
- Timer (Hour Counter)

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## Mercury Recovery Vacuum Cleaner Systems

### MRV-8(4W) Filtration



#### Item Description

- 1 **Mercury Separator:** 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. PART# 212208
  - 2 **Detachable Mercury Recovery Jar:** Allows for convenient disposal of recovered mercury. Two jars (complete with lids) are included with the mercury vacuum. Jar PART# 212210.
  - 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:** 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 analyser or other similar device (not included with vacuum cleaner). Carbon Cartridge PART# 212200A. (7.5 lbs - 3.5 Kg)
  - 5 **ULPA filter:** 99.999% efficiency 0.12 microns. PART# 211027.
- 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



Model: MRV-8	115V - 60Hz	230V - 50Hz
<b>Electrical Requirements</b> (at high speed) Current Draw Power	8.5 amps 1000 watts	4.6 amps 1000 watts
<b>Performance</b> (at high speed) Airflow Vacuum (H <sub>2</sub> O)	120 cfm 95"	46l/sec 2050 mm
<b>Noise Level</b> (at high speed)	70 dB (A) @ 6.5 ft	70 dB (A) @ 2m
<b>ULPA filter (Filter Area)</b> Assembled HEPA filter	1 368 inches <sup>2</sup> 990 inches <sup>2</sup>	8 826 cm <sup>2</sup> 6 387 cm <sup>2</sup>
<b>Carbon Cartridge Assembly</b> (Weight)	7.5 lbs (3.5 Kg)	7.5 lbs (3.5 Kg)

Toll free telephone: 1 800 668-4437  
 Toll free fax: 1 800 668-4439

Web Site: <http://www.tiger-vac.com>  
 E-Mail: [sales@tiger-vac.com](mailto:sales@tiger-vac.com)

**Tiger-Vac Inc. (USA)**  
 73 S.W. 12 Ave. Bldg.1, Unit 7  
 Dania, FL 33004  
 USA  
 Tel.: (954) 925-3625 Fax.: (954) 925-3626

**Tiger-Vac International Inc.**  
 2020 Dagenais Blvd. West  
 Laval, Quebec  
 Canada H7L 5W2  
 Tel.: (450) 625-0099 Fax.: (450) 625-3388

