

The following is a cost and maintenance of common amalgam separators sold on the market. The costs below are just the Canister costs, it does not include initial purchasing of the unit, nor does it include service fees.

The maintenance schedules are based on manufacturer specifications, service companies and dental practices.

### **SolmeteX Hg5 – Medium to High Cost – Medium Maintenance**

*Expected Canister Use*

<i>Maintenance per Op</i>	<i>Cost over 3 years - at \$350/Canister</i>	<i>Maintenance per Op</i>	<i>Cost over 1-2 years - at \$350/Canister</i>
<b>1 op</b> - 1 Canister every 12 months	\$1,050	<b>5-6 op</b> - 1 Canister every 3-4 months	\$2,100
<b>2 op</b> - 1 Canister every 8-12 months	\$1,400	<b>7-8 op</b> - 1 Canister every 2-3 months	\$2,800
<b>3 op</b> - 1 Canister every 6 months	\$2,100	<b>9 op</b> - 1 Canister every 2 months	\$4,200
<b>4 op</b> - 1 Canister every 4-6 months	\$2,450	<b>10 op</b> - Canisters every month	\$4,200*
<b>11 op – Cannot be installed in more than 10 ops</b> – Must install two units in parallel or Hg5 HV			

\*Cost over 12 months

**Required Maintenance**

- Inspected once a week, by shining light in upper chamber and Canister to assure no clogging. (Page 4-5 of user manual)

- Use a good, neutral, phosphate free, non-foaming evacuation line cleaner daily

**Maximum Allowed Suction** 15" Hg

### **Air Techniques Acadia – High Cost – High Maintenance**

*Expected Canister Use*

<i>Maintenance per Op</i>	<i>Cost over 3 years - at \$600/Canister</i>	<i>Maintenance per Op</i>	<i>Cost over 1-2 years - at \$600/Canister</i>
<b>1 op</b> - 1 Canister every 12 months	\$1,800	<b>5-6 op</b> - 1 Canister every 3-4 months	\$3,600
<b>2 op</b> - 1 Canister every 8-12 months	\$2,400	<b>7-8 op</b> - 1 Canister every 2-3 months	\$4,800
<b>3 op</b> - 1 Canister every 6 months	\$3,600	<b>9 op</b> - 1 Canister every 2 months	\$7,200
<b>4 op</b> - 1 Canister every 4-6 months	\$4,200	<b>10 op</b> - Canisters every month	\$7,200*
<b>11 op – Cannot be installed in more than 10 ops</b> – Must install two units in parallel			

\*Cost over 12 months

**Required Maintenance**

- Inspected once a week, by shining light in upper chamber and Canister to assure no clogging.

- Use a good, neutral, phosphate free, non-foaming evacuation line cleaner daily

**Maximum Allowed Suction** 20" Hg

**Alert** Acadia has built in Solids Collector, requires to be disposed of and handled as Toxic Waste. (Costs above do not include costs of this disposal)

### **Eco II – Low-Medium Cost – Medium Maintenance**

*System Service Life*

<i>Maintenance per Op</i>	<i>Cost over 3 years - at \$250/Canister</i>	<i>Maintenance per Op</i>	<i>Cost over 2 years - at \$250/Canister</i>
<b>1 op</b> - 1 Canister every 12 months	\$750	<b>5 op</b> - 1 Canister every 4 months	\$1,500
<b>2 op</b> - 1 Canister every 8-12 months	\$1,000	<b>6 op</b> - 1 Canister every 3 months	\$2,000
<b>3 op</b> - 1 Canister every 6 months	\$1,500	For offices with more than 6 chairs, you are required to have the Tandem Eco II.	
<b>4 op</b> - 1 Canister every 5 months	\$1,750		

**Required Maintenance**

- Inspected once a week, by shining light in the Canister to check for filling.

- Use a good, neutral, phosphate free, non-foaming evacuation line cleaner daily

**Maximum Allowed Suction** 9" Hg

## **Apavia AVTmax/ECOstar – Low- Medium Cost – Medium to High Maintenance**

*Expected Canister Use*

<i>Maintenance per Op</i>	<i>Cost over 3 years - at \$490/Canister</i>	<i>Maintenance per Op</i>	<i>Cost over 1-2 years - at \$490/Canister</i>
<b>1 op</b> - 1 Canister every 12 months	\$1,470	<b>5-6 op</b> - 1 Canister every 6 months	\$1,960
<b>2 op</b> - 1 Canister every 12 months	\$1,470	<b>7-8 op</b> - 1 Canister every 4- 6 months	\$1,960
<b>3 op</b> - 1 Canister every 12 months	\$1,470	<b>9 op</b> - 1 Canister every 3-4 months	\$2,940
<b>4 op</b> - 1 Canister every 8-12 months	\$1,960	<b>10 op</b> - Canisters every 2 months	\$2,940*
<b>11 op – Cannot be installed in more than 10 ops – Must install two units in parallel</b>			

\*Cost over 12 months

### **Required Maintenance**

- Inspected once a week, by shining light in upper chamber and Canister to assure no clogging.
- Use a good, neutral, phosphate free, non-foaming evacuation line cleaner daily

**Maximum Allowed Suction: Cannot be found, safe assumption is 15" Hg**

### **Alert**

- 1) When changing Canister, watch "o-ring" as it can slip off Canister inlet. This will cause a break in air seal, causing loss of suction and leaking.
- 2) Canister pins have been known to rattle out and cause the Canister to drop.

## **M.A.R.S. LibertyBOSS – Low Cost - No Maintenance**

*Service Life*

<i>Maintenance per Op</i>	<i>Cost over 3 years – at \$1,174/system</i>	<i>Maintenance per Op</i>	<i>Cost over 1-2 years -</i>
<b>1 op</b> - 1 system every 36 months	\$1,174	<b>5-6 op</b> - 1 system every 24 months	\$1,174
<b>2 op</b> - 1 system every 36 months	\$1,174	<b>7-8 op</b> - 1 system every 24 months	\$1,174
<b>3 op</b> - 1 system every 36 months	\$1,174	<b>9 op</b> - 1 system every 24 months	\$1,174
<b>4 op</b> - 1 system every 36 months	\$1,174	<b>10-15 op</b> - 1 system every 12 months	\$1,174*

\*Cost over 12 months

### **Price Includes:**

- System for up to 3 years
- Shipping/recycling
- Free Advertisement as an [Environmentally Friendly Dental Practice](#)

### **Required Maintenance**

- Use a good, neutral, phosphate free, non-foaming evacuation line cleaner daily
- Change system at end of Service Life
- Maximum Allowed Suction 25" Hg**

## **R&D – Extremely High Maintenance – Really Low Cost**

### Service Life

System with Office Size	Emptying System Schedule	Recycling Cost over 3 years (Not including cost of DAILY maintenance)
CH 12: 1 operator	Empty every 5 years	\$90
CE 18:		
2 Operator	Empty every 5 years	\$90
3 Operator	Empty every 2.5 years	\$150
4 Operator	Empty every 1 year 9 months	\$300
5 Operator	Empty every 1 year 8 months	\$300
CE 24:		
6 Operator	Empty every 2.5 years	\$150
7 Operator	Empty every 2.5 years	\$150
8 Operator	Empty every 1.5 years	\$300
9 Operator	Empty every 1.5 years	\$300
10 Operator	Empty every 10 months	\$540

\*Manufacturer suggests disposal bucket can be kept and used more than once. Check local regulations on Toxic Waste Storage

#### Liquid Level Maintenance:

- Adjust decanting tube to assure the 1 ½" gap above sludge level
- **Every morning** shine a light to check sludge level
- **Each morning** decant all water 1 ½" above sludge level
- Use a good, neutral, phosphate free, non-foaming evacuation line cleaner daily
- Alert** Be sure decanting tube is not submerged in sludge while on, (This results in system by-pass)