

## MDA - MCES Approved Amalgam Separators

The following list includes the amalgam separators approved by the Minnesota Dental Association and Metropolitan Council Environmental Services. Information is believed to be correct as of the time of publication, but dentists should contact vendors and dental supply companies to determine whether separator specifications or pricing have changed. This list includes separators that have demonstrated at least 99% amalgam removal according to ISO Standard 11143. The MDA & MCES provide no guarantees or warranties for the purchase, installation, or operation and maintenance of the amalgam separators listed herein. (10/26/04)

Manufacturer and/or Distributor	Separator Model & Removal Technology	Max. Flowrate or Holding Capacity	Dimensions H = Height W = Width D = Depth Dia = Diameter	Notes/Maintenance/Power/Waste Disposal Requirements	Cost
		Chair count			
		Install Location			
Air Techniques, Inc. 1-800-AIR-TECH  <a href="http://www.airtechniques.com">www.airtechniques.com</a>	Guardian Amalgam Collector	Volume of Air/Water Separator tank	Collector box: H: 7.5" W: 10.5" D: 6.25" (see notes)	Use with own A/W separator tank or purchase a 4 or 8 gallon A/W separator tank to go with collector box. Box lasts 6-12 months. Cost of box includes waste recycling.	\$1500 which includes a spare box. \$750 for additional box
	Sedimentation	Varies			
		Central			
R&D Services 8120 Greenlake Dr. N Seattle, WA 98103 800-816-4995 206-525-4995  <a href="http://www.TheAmalgamCollector.com">www.TheAmalgamCollector.com</a>  rmfraker@w-link.net	The Amalgam Collector CH 9 or CH 12 (chairside)	CH 9: 2.3 Liters CH 12: 3.7 Liters	H: 9" or 12" (plus 4" more with fittings)  Dia: 8"	Select size of separator canister(s) based on office waste volumes generated. Dental office regularly checks outlet tube height, decants liquid, and occasionally empties the waste sludge. Canister(s) may be reused or replaced. Dental office to manage the amalgam waste solids.	\$495
		1 chair			
	Sedimentation	Chairside	H: 18" or 24" (plus 4"-6" more with fittings)  Dia: 8"		CE 18 = \$695  CE 24 = \$1250
	CE 18 or CE 24 (central)	CE 18: 6.5 Liters CE 24: 16.4 Liters			
		Varies			
		Central			
American Dental Accessories, Inc. 7310 Oxford St. Minneapolis, MN 55426 800-331-7993 952-939-9398  <a href="http://www.amerdental.com">www.amerdental.com</a>	Asdex (AS-9)	500 mL/minute	H: 11.5" Dia: 3"	Dental office replaces filter every 4-6 weeks.  Dental office to manage waste filters.	\$229/unit (first filter, manifold, & mounting bracket) \$79/filter
	Filtration	1 chair			
		Chairside			
	AD-1000	"Wet" pump: 2 L/min or if "Dry" pump: volume of A / W sep.	H: 8" W: 14" D: 10.5"	Filter box lasts 18 months based on single dentist full-time use. Cost of filter box includes pre-paid mailer and disposal.	\$796 initially.  Each replacement filter box \$496
	Sedimentation, filtration, and ion exchange	12 chairs			
		Central			

ADA Technologies, Inc. Craig Turchi, Ph.D. 8100 Shaffer Parkway Littleton, CO 80127 (303) 792-5615 x285  <a href="http://www.adatech.com">www.adatech.com</a>	BullfroHg 10  Sedimentation	10 Liters (larger models avail.)	H: 20.5"  Dia: 8.5"	120 Volt AC power supply needed to pump settled effluent from unit. Utilizes automatic timer. Service fee includes recycling of amalgam waste.	\$50/month service agreement  (2 year minimum contract)
		6 chairs  Central			
	MRU 10, 30, 190, 400  (Basically a BullfroHg model with filtration and ion exchange.)	10, 30, 190,400 Liters (custom models avail.)	H: 24" W: 16" D: 12"	Replace/recycle filter column every 6-12 months. Service fee includes recycling of amalgam waste.	Call ADA Technologies for pricing information.
		6 chairs to 200 chair clinics  Central			
SolmetexX 50 Bearfoot Road Northborough, MA 01532 800-216-5505 508-393-5115  <a href="http://www.solmetex.com">www.solmetex.com</a>	Hg5  Sedimentation, filtration, and chemical binding	50 mL/minute 4.6 liter surge tank	H: 29" W: 14" D: 8"	Filter cartridge replaced approximately every 6 months, or when full. The \$250 filter cartridge purchase includes recycling. Lease plan also available (\$59.95/month) if purchased direct from manufacturer.	\$695 initially.  \$250 per filter cartridge
		10 chairs  Central			
	Hg 10 Custom made.  Sedimentation, filtration, and chemical binding	95 Liters	Tank: H: 48" Dia: 25"  Plus 6 filters mounted on wall or stand.	Units are custom made to accommodate an office's flowrate. Filter kit would be replaced from quarterly to annually. 120 volt AC power supply needed to pump effluent through the treatment.	\$7450/unit (includes first filter kit)  \$1050/filter kit (with 6 filters)
		10-25 chairs  Central			
Maximum Separation Systems 301-1779 Sean Heights Victoria, BC V8M 1X6 800-799-7147 250-652-5279  <a href="http://www.amalgamseparators.com">www.amalgamseparators.com</a>	MSS 2000  Sedimentation and filtration	2.5 Liters/minute 22 liter surge tank	H: 28" W: 18.5" D: 15"	MSS 2000 uses 2 settle tanks. MSS 1000 uses 1 settle tank. 1 settle tank is expected to last one year with one dentist. Therefore, the MSS 2000 is expected to last one year if two dentists.	\$1395/unit (includes first two settle tanks) \$165/settle tank
		16 chairs  Central			
	MSS 1000  Sedimentation and filtration	1.0 Liter/minute 11 liter surge tank	H: 24" W: 18.5" D: 15"	A waste management option is available for an additional \$185/settle tank.  120 volt AC for overflow alarm.	\$968/unit (includes first settle tank) \$165/settle tank
		6 chairs  Central			

<p>AB Dental Trends 211 Grover Street Lynden, WA 98264 For Dealer Info: 800-817-6704 360-354-4722</p> <p><a href="mailto:info@amalgamseparation.com">info@amalgamseparation.com</a></p> <p><a href="http://www.amalgamseparation.com">www.amalgamseparation.com</a></p>	<p>WET: Rasch 890-1000/4000 2-Stage treatment</p> <p>(890-1000 with add-on 4000 treatment tank and an air/water separator)</p> <p>Sedimentation, filtration, and ion exchange</p>	<p>4 Liters/minute</p> <p>12 chairs</p> <p>Central (after "wet" pump)</p>	<p>H: 36" W: 10" D: 13"</p>	<p>The first stage treatment canister is replaced every 18 months, at \$596.</p> <p>The second stage treatment canister is replaced at a cost of \$596.</p> <p>Cost of treatment canisters includes waste management.</p>	<p>\$1900 for all initial hardware, both treatment canisters, and an air/water separator.</p>	
	<p>DRY: Rasch 890-6000/4500 2-Stage Treatment</p> <p>(Same as above, but without an air/water separator)</p> <p>Sed., filtration, &amp; I.E.</p>	<p>Volume of Air/Water separator tank</p> <p>12 chairs</p> <p>Central, below air/water separator</p>	<p>H: 6" W: 9" D: 12"</p>	<p>The first stage treatment canister is replaced every 18 months, at \$596.</p> <p>The second stage treatment canister is replaced at a cost of \$596.</p> <p>Cost of treatment canisters includes waste management.</p>	<p>\$1330 for all initial hardware and both treatment canisters. (No A/W separator tank included.)</p>	
	<p>WET Rasch 890-1000 Sed., filtration, &amp; I.E.</p>	<p>2 Liters/minute</p> <p>12 chairs</p> <p>Central</p>	<p>H: 28.5" W: 10.25" D: 12.75"</p>	<p>Initial cost includes canister and A/W sep. Replacement canister is \$596, which includes waste management.</p>	<p>\$1190 which includes an A/W separator tank.</p>	
	<p>DRY Rasch 890-6000 Sed., filtration, &amp; I.E.</p>	<p>Volume of A/W sep.</p> <p>12 chairs</p> <p>Central</p>	<p>H: 5.25" W: 9" D: 12.25"</p>	<p>Initial cost includes canister. Replacement canister is \$596, which includes waste mgmt.</p>	<p>\$666</p>	
	<p>Rebec P. O. Box 658 Edmonds, WA 98020 800-569-1088</p> <p><a href="http://www.rebecsolutions.com">www.rebecsolutions.com</a></p>	<p>Catch 1000 (formerly known as the RME 2000-CatchHg)</p> <p>Sedimentation and filtration</p>	<p>1.0 Liter/minute 19 liter surge tank</p> <p>8 chairs</p> <p>Central</p>	<p>H: 23.5" W: 20" D: 8"</p>	<p>Change out collector box annually (assumes up to 8 operatories).</p>	<p>\$1895 (includes first collector box) \$395/collector box.</p> <p>Includes waste processing.</p>
		<p>Catch 400</p> <p>Sedimentation and filtration</p>	<p>1.0 Liter/minute 7.6 liter surge tank</p> <p>4 chairs</p> <p>Central</p>	<p>H: 18" W: 14" D: 8"</p>	<p>Change out collector box annually. Costs include waste management.</p>	<p>\$985 Includes first collector box. \$395/collector box.</p>