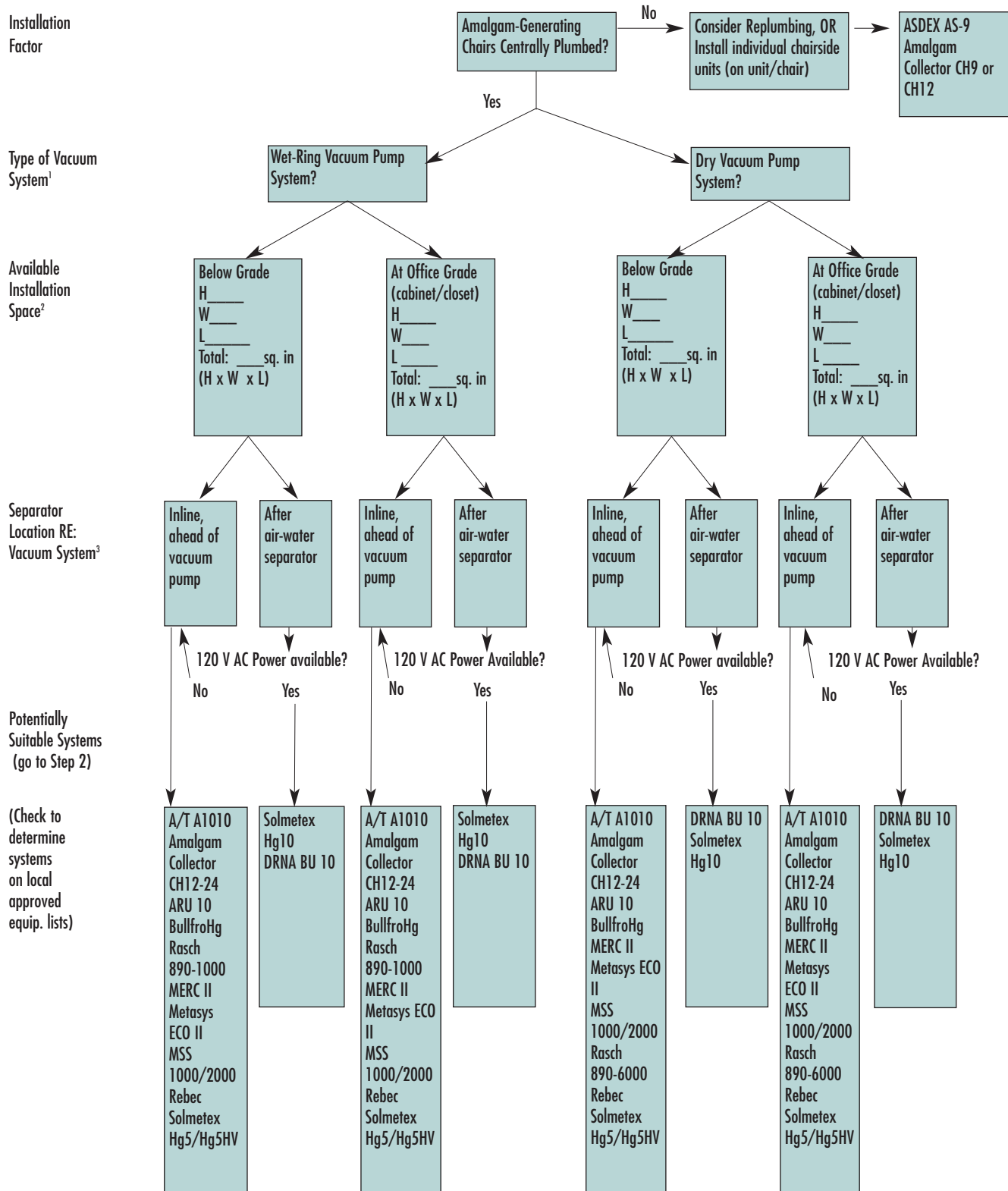


Step 1 - Amalgam Separator Flow Sheet



¹ Dry Systems using simple filtration units (e.g. ASDEX unit) may clog more easily; wet systems using smaller sedimentation devices (e.g. CH 9-12) may fill quickly, lose separator capacity. Wet ring vacuum pump systems generate additional wastewater that may affect performance of smaller capacity units (see capacity ratings in Step 2).

² Space availability will dictate which systems may be used; offices without basement or within multistory buildings typically require installation at office level/grade.

³ Systems installed after air/water separator must have 120V AC power and/or gravity flow available.

Step 2 - Amalgam Separator Flow Decision Matrix

	Maximum Separation Systems 1-800-799-7147 www.amalgamseparator.com		AB Dental Trends 1-360-354-4722 www.amalgamseparator.com		Hygienetik 1-866-494-3648 www.hygienetik.com	Pure Water Systems 1-877-638-2797 www.ecotwo.com	Biosym Medical Corporation 1-800-947-7550	Rebec 1-800-569-1088 www.rebecsolutions.com
Model	MSS 1000	MSS 2000	Rasch 890-1000	Rasch 890-6000	ARU-10	ECO II	MERC II	RME 2000-CatchHg or Catch 400
Dimensions (WxLxH in inches)	24x15x18.5	28x18.5x15	28.5x10.25x12.75	5.5x9x12.5	24x12x12	14x9x9	8x13x7	23.5x20x8
Flow Capacity (# of Chairs)	2 1-11 chairs	2 11-22 chairs	3 1-12 chairs	3 1-12 chairs	2 1-6 chairs	2 1-5 chairs	2 1-8 chairs (1-4 at max capacity)	2 1-8 chairs
Ease of Maintenance	2	2	2	2	2	2	2	2
Frequency of Maintenance	2	2	3 Tank switch 18 months	3 Tank switch 18 months	2	1	3 Annual replacement of filter	3 Annual replacement of containment collector
Recycling Program Included?	2 available	2 available	2 available	2 available	3	3	3	3
Purchase Cost: Affordable?	2 \$968	2 \$1395	1 \$1190	2 \$666	2 \$689	3 \$160	2 \$845	1 \$1895/\$985
O&M Cost: Affordable?	2 annual tank replacement	2 biannual tank replacement	1 new tank required	1 new tank required	\$34/month	M2 cleaner pouch needed 3/chair/year @\$74.70	Annual Unit Replacement.	Annual container replacement
Estimated Five Year System Costs	2 \$2368 + labor	2 \$2270 + labor	2 \$2680+ labor	2 \$2150 + labor	2 \$2739+labor	2 \$3094 + labor	2 \$4225 + labor	2 \$3475 + labor
Total								

	A/T Amalgam Separator Air Techniques 1-800-AIRTECH www.airtechniques.com	The Amalgam Collector R&D Services 1-800-816-4995 www.theamalgamcollector.com		Asdex American Dental Accessories 1-800-331-7993	DRNA 1-800-360-1001 www.drna.com	SolmetexX 1-508-393-5115 www.solmetex.com	
Model	A1010	CH9 or CH12	CE18 or CE24	AS-9	BU10	Hg 5/Hg5 HV	Hg 10
Dimensions (WxDxH in inches)	6.25x10.5x7.5	6x6x9 (12)	6x6x18 8x8x24	5.5x5.5x16	8.5x8.5x20	10x13x29 18 x 23 x 28	48x48x24
Flow Capacity (# of Chairs)	2 1-8 chairs	1 1-2 chairs	3 6-12 chairs	1 1 chair	2 1-6 chairs	3 1-10 chairs	2 10-25 chairs
Ease of Maintenance	1	1	1	2	3	2	2
Frequency of Maintenance	2	2	2	1	2 annually	2	2
Recycling Program Included?	2	2 upon request	2 upon request	2 available	3included	3 (service pack included)	3 (service pack included)
Purchase Cost: Affordable?	1 \$1500	2 \$515	2 \$715-\$1120	3 \$250	2 \$695	2 \$695	1 \$7450
O&M Cost: Affordable?	2	3	3	2	1 annually switched out	2 replace filter 2x/yr	1 annually switched out
Estimated Five Year System Costs	1 \$7500 + labor	3 \$515+ labor	3 \$715 + labor	2 \$1830+ labor	2 \$3475 + labor	2 \$2695 + labor	1 \$11,560+ labor
Total							

Note: Ranking System As Follow: 1=Fair 2=Better (provided for illustrative purposes; individual weighting of criteria can be adjusted by user)

Information current as of 2/1/04; users are encouraged to contact manufacturers to obtain up-to-date pricing, option, and reference list of dentists operating specific systems.