

**Preventative Maintenance Procedures
System: Dental Low Vacuum (Oral Evacuation System)**

Maintenance Task Description	Frequency *	Skill Level **	Time Hours ***	Special Tools Required	Parts	Specific Safety Instructions
Clean Vacuum Piping System	D	O	0.2	None	-	1,2,3,4
Check accumulated operating hours	D	O	0.1	None	-	1
Check the oral evacuation suction pressure	D	O	0.1	None	-	1
Check operating controls for proper setting and operation	W	O	0.25	Volt meter	-	1,2,3,4
Clean vacuum relief valve	W	O	0.25	None	-	1,2,3,4
Clean inoperative strainers	W	O	0.1	None	-	1
Clean and dust off Vacuum Pump	SA	A	1.0	None	-	1,2,3,4
Empty Solids Collector Drum	A	A	1.0	None	-	1,4
Check wiring (control and power) connections and tighten connectors if required	A	J	0.25	None	-	1,2,3,4

*Frequency Legend:

D – Daily
W – Weekly
SA – Semi-Annually
A – Annually

**Skill Level Legend:

O – Unskilled Laborer
A – Apprentice Mechanic
J – Journeyman Mechanic

***Time Hours: The time indicated is for the time required to service one unit.

Safety instructions to observe when working with this equipment are as follows:

- Warning:** When working on Dental Low Vacuum electrical components, provide a lockout device, a lockout tag and a tagout device on the electrical breaker or the disconnect switch. See sheet PART 1 – Page 5-6 for panel, breaker and/or disconnect switch. The devices shall be in full compliance with Appendix 1j-16.
- Caution:** All clothing should be checked to insure that loose ends of clothing or other objects may not be caught in the rotating machinery.
- Caution:** Be sure that the unit is properly grounded before working on the unit.
- Caution:** Do not touch the pump cooling fins until the unit has had time to cool down. The fins may have temperatures of 160 degrees F. which could cause burns.