

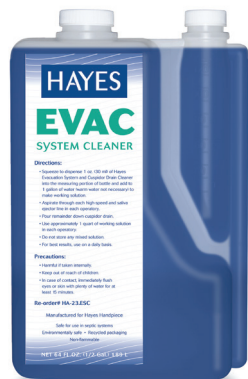
# OPERATORY EQUIPMENT MAINTENANCE & BEST PRACTICES

## DAILY

### Clean & flush the vacuum lines



Flush the vacuum lines on a daily basis to prevent buildup of debris inside the lines and pump. The buildup will reduce suction or damage the pump.



Approved by SolmeteX®.  
Will not damage amalgam separation units

- Always start with the operator furthest from the vacuum pump
- Squeeze the dispenser bottle to measure 1 ounce of Hayes Evacuation System Cleaner and pour into 1 gallon of cool tap water to make a working solution. Hot water is not necessary
- Use 1 quart of working solution per operator by aspirating the solution by placing the hve and saliva ejector valve just above the solution surface to allow for the incorporation of air
- Merely placing the valve into the solution could disrupt pump function
- Pour remainder of fluid down cuspidor or drain
- Repeat these steps for the remaining operatories and turn off the vacuum when complete
- Or use your evacuation cleaner of choice according to manufacturer instructions. Never use cleaners which create excessive foam which will damage the vacuum pump or the amalgam separator if applicable
- Replace the chair side solids collector (trap) daily or as necessary. Material will build up in the trap causing reductions in vacuum, potential damage to the pump, and odors in the operator. Check with state laws regarding amalgam recycling.

### Clean & maintain your dental unit waterlines

Standing water in small tubes inside the dental unit creates microbial contamination which creates odors, blocked waterlines, intermittent water spray, and bacteria in the water. Please note: If you have never treated your dental unit waterlines, you must first 'shock' your dental unit waterlines before routine maintenance. We recommend shocking with Mint-A-Kleen®. If you do not shock the waterlines first, microbial contamination will not be removed from the waterlines with routine maintenance. Refer to the manufacturer for shocking instructions.

#### 3 options for cleaning & maintaining your waterlines:

##### 1. Mint-A-Kleen®



**NOTE:** For users new to waterline cleaning, follow the 'Initial Cleaning' instructions then Routine Cleaning. See Mint-A-Kleen label insert for complete directions for use. Mint-A-Kleen is ready to use with no mixing, no fuss, and no mess – There is no need for supplemental products.

##### Initial Cleaning

Week 1: Use every night, Week 2-5: Use bi-weekly.

##### Routine Cleaning

Use weekly

- Air purge waterlines: Empty water bottle and place on dental unit. Air purge waterlines by activating handpiece hoses and syringes until water is eliminated
- Add Mint-A-Kleen: Add 4 oz. of Mint-A-Kleen (do not dilute) into dental unit's empty water bottle—place back onto dental unit. Activate hoses and syringes until Mint-A-Kleen exits. Allow Mint-A-Kleen to treat waterlines for at least 12 hours
- Flush waterlines with water: After treatment, remove bottle, empty, then fill with water source. Flush waterlines for 30 seconds to remove Mint-A-Kleen

##### 2. ADEC ICX



**NOTE:** You must shock your system prior to using this product for ongoing maintenance\*

##### Ongoing maintenance

- Use approximately 1 tablet per day per empty water bottle
- Drop tablet into empty water bottle
- Fill bottle with water
- Wait 120 seconds for tablet to dissolve
- Do not touch the tablets with bare fingers
- Test water monthly to start for first 3 months, then once every 3 months pending test results
- Shock water based on test results
- Use distilled water for best results

\*Does not kill biofilm

##### 3. DentaPure DP365B



**NOTE:** Hayes recommends shocking your system prior to installing DentaPure for ongoing maintenance

##### Ongoing maintenance

- Install DentaPure DP365B by connecting to your existing bottle system (kit included)\*
- After installation of straw, no maintenance, purging, additional shocking, or testing is needed for the life of the product which is at least 365 days or until iodine levels fall below .5ppm

\* Also available for direct connection to municipal water

## WEEKLY

### Clean vacuum valve & trap



- Disassemble the vacuum valve and clean with brushes thoroughly. Lubricate o-rings and replace if necessary
- If the vacuum leaks when the valve is closed, replace the cartridge
- If you have a wet ring pump, empty the trap at the vacuum pump and clean it out. Material will build up in the trap which will reduce suction or damage the pump. Make sure to use utility gloves and a mask when performing this task to deal with the odors. Refer to the manufacturer instructions for proper removal and cleaning of the trap or talk to your local Hayes office

### Check air compressor



- Do an air pressure cycle test to make sure that the compressor is running properly
- Watch the Storage Air gauge as the compressor runs. Record the time it takes to go from 80 PSI to 100 PSI - If the compressor runs for more than one minute to build to 100 psi, either the compressor is undersized or there is an air leak. Contact your local dealer
- Observe the oil level if applicable. If the oil level is low, get it filled or the compressor may fail. Most oil type air compressors require the oil to be changed
- Refer to the manufacturer instructions for proper maintenance or talk to your local Hayes office for a copy of the manufacturer instructions

### Inspect handpiece couplers



- Inspect the O-rings to make sure they are still on and not worn or torn
- Replace coupler O-rings every 6 months

## YEARLY

Have your unit air pressures checked at the hose by Hayes or a qualified service technician. High air pressures will cause damage to the handpieces and low air pressures will not provide sufficient power. Refer to PSI chart.



Handpiece Make/Model	Recommended Air Pressure (in PSI)	Handpiece Make/Model	Recommended Air Pressure (in PSI)
<b>Adec-W&amp;H</b>		<b>Morita</b>	29-42
Top Air/Top Flight	32	<b>MK-dent</b>	
96 & 98 Series	>45	All high-speeds	35
<b>Athena</b>		<b>Midwest</b>	
Champion	32	Quiet Air Std/Lever	32
<b>Canister Type</b>	32-40	Tradition Std/Lever	32
<b>Dentex</b>		Tradition Push Button	35
All M3 high-speeds	34-40	XGT Push Button	35
<b>KaVo</b>		Stylus	40
632B/642B/643B/645B	32	<b>NSK</b>	
630B/640B	32	All high-speeds	35
635B	33	<b>Star</b>	
647B	36	430SW	30-32
6000B/6500B	38	Solara Flex	30-34
649B	40	430SWL	34-42
<b>Lares</b>		Solara Flex Plus	38-45
330E/557 Turbo	32		
557/757 Ultralite/Euro	32-40		



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Staff Training Available—1 FREE CE credit per course! Ask us about maintenance procedures for HANDPIECES & INSTRUMENTS! Call us to purchase maintenance products or to schedule staff training!

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