

HIGH DESERT HEALTH SYSTEM AMBULATORY SURGICAL CENTER

SUBJECT: V-120 TELEVAC 2 SURGICAL SMOKE PLUME EVACUATOR	POLICY #: 1245
	VERSION: 1
APPROVED BY: ASC Approvers	
DATE APPROVED: 06/28/2016	

PURPOSE: To provide guidelines for the safe use of TeleVac 2 Surgical Smoke Plume Evacuator.

POLICY: The TelVac 2 Surgical Smoke Plume Evacuator is designed to remove smoke, aerosols and noxious odors during argon, laser and electrosurgical procedures. The TeleVac 2 Surgical Smoke Plume Evacuator will be used according to the following guidelines.

PROCEDURE:

The TeleVac 2 Surgical Smoke Plume Evacuator has a high suction, high flow rate centrifugal action pump. The ultra-quiet motor is used to draw the smoke plume from the surgical site through the vacuum tubing/hose into the TeleVac 2 Filter where the surgical smoke is processed by 4 stages of filtration. A single housing makes the disposable filter easy to install and to remove during filter changes. The filter is completely enclosed to protect the healthcare personnel from potential contamination during filter changes and filter life is precisely tracked through the use of two-way communication between the filter and the TeleVac 2 Smoke Evacuator.

1. **STANDBY**- The STANDBY button is located on the front panel. This button turns the motor (for suction) on and off. When the unit is powered on the LCD screen will display: "BERCHTOLD Corp. INSERT TELEVAC II FILTER".
2. **MOTOR SPEED**- The amount of suction may be adjusted using the UP or DOWN arrow buttons located on the key pad. Suction may be adjusted up or down by 10% increments. Select the lowest suction setting that effectively clears the operative field or surgical smoke.
3. **FILTER LIFE REMAINING (Displayed on LCD Screen)**- After inserting a filter, a screen will flash for a few seconds to indicate filter type and original life (i.e. TELEVAC II 8 HOUR FILTER). Next, the standard screen will appear which displays information regarding the unit's current activity (i.e. TELEVAC-8 FLTR, Time Remaining 08hr: 00min, Suction Setting 0%, Motor OFF). The exact number of hours and minutes remaining on the TelVac 2 Filter (in use) are displayed on the LCD screen. When the filter's life is consumed, time remaining

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will indicate that there are 0 hours and 0 minutes remaining. This line will continually flash. When the filter life reaches this point, a new power is turned off or the system is left idle for more than 6 hours and the filter is not replaced, the system will no longer operate. A new filter or filter with remaining life **MUST** be inserted into the filter basket to allow the unit's suction motor to turn back on.

4. Used smoke evacuator filters, tubing and wands should be considered potentially infectious waste. These used devices should be handled using standard precautions and disposed as biohazard waste.
5. **FOOTSWITCH-** To activate by footswitch, simply plug the footswitch tubing into the jack (identified by the footswitch icon) on the front panel. The suction cannot be switched ON/OFF by depressing the footswitch.
6. **SERVICE-** When a service message appears, contact BERCHTOLD Technical Service for instructions.
7. **CLEANING-** The front panel and the filter inlet of the system may be cleaned by wiping it with a damp cloth with a mild detergent or soapy water. Wipe dry with a clean cloth.

See Operator's Manual for further information regarding symbols and troubleshooting the system.

REFERENCES

TeleVac 2 Surgical Smoke Plume Evacuator Operator's Manual

AORN Perioperative Standards and Recommended Practices 2014

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