

## AIRSEAL Smoke Evacuation Mode:

The Smoke Evacuation Mode is intended for standard insufflation with continuous evacuation of smoke from the cavity. Use the Bifurcated Smoke Evac Filtered Tube-Set with conventional trocar cannulas when working in this mode. The Smoke Evacuation Mode is automatically activated when the second line of the bifurcated tube set (blue-colored tube) is attached to a second trocar cannula with an open inflow stopcock. If using the Vessel Sealer Olympus Thunderbeat note this device can cause a large amount of liquid evaporation, therefore placement of the blue tube set is key to limit the suction of such fluids. If the fluid alarm is signaled the filtered tube-set should be changed.

1. Switch device on.
2. At the conclusion of the initial self-test, insert the Bifurcated Smoke Evac Filtered Tube Set into machine and Smoke Evacuation Mode will automatically launch. Alternatively, press the Smoke Evacuation Mode key to select this operating mode and then insert the Bifurcated Smoke Evac Filtered Tube Set into the machine.
3. Connect the Luer lock connector of the clear tube to the conventional cannula (**CLEAR TUBE = Insufflation Tube Set**). Open the inflow valve/stopcock. Follow prompts on AirSeal device. When instructed, connect the Luer lock connector of the blue tube to a different conventional cannula to activate smoke evacuation (**BLUE TUBE = SMOKE EVACUATION Tube Set**)
4. Choose desired settings. Setting the nominal flow and nominal pressure (increase/decrease) is possible during insufflation or while insufflation is stopped. When trying to increase the nominal pressure to > 15 mmHg the status line will depict the message: "Safety threshold: Pressure >15 mmHg!" This is where the recommended range for intra-abdominal and colorectal pressure ends. Release the key for 2 seconds, then pressure can be increased above 15 mmHg.
5. Start insufflation by pressing the START key. The status line depicts Initial Insufflation. The initial insufflation ends when the nominal pressure value has been reached for the first time. The device prompts the user to connect the blue tube to enable Smoke Evacuation function. To enable smoke evacuation, connect the blue tube of the bifurcated tube set to a second cannula and open the stopcock.
6. Stop insufflation by pressing the STOP key. **If you wish to evacuate the abdominal pressure prior to shutting off device, you can reduce pressure settings to <5mmHg and the Smoke Evacuation tubing (BLUE) will continue to suck out the CO2. Softly massaging the patient's abdomen will assist in this process.**
7. When working in the Smoke Evacuation Mode, it is possible that body fluids are extracted from the surgical field over the evacuation line. In order to prevent contamination of the device, these are retained by the fluid trap of the Smoke Evacuation tube set filter component. The capacity of the fluid trap is limited. A warning message and an audible signal will be emitted if the fill level LOW is reached. Cannula and tubing placement should be checked. At this point, change the filtered tube set. Insufflation can be continued with full functionality.

IN-SERVICE VIDEO: <https://www.youtube.com/watch?v=q714ScUFjXA>



SMOKE EVACUATION MODE SET UP			
A			
	1. Align and insert Bifurcated Filtered Tube Set with tubing in the 12 o'clock position.	2. Rotate Locking Lever clockwise to lock.	3. iFS will automatically launch into Smoke Evacuation Mode.
			4. Review the Flow and Pressure settings, press CONFIRM if they are appropriate for the patient.
INITIAL INSUFFLATION			
B			
	1. Securely connect clear (insufflation) tubing to inserted Veress needle and press START button to commence insufflation.		2. Insert conventional trocars per Manufacturer's IFU. Connect clear (insufflation) tubing to stopcock of desired trocar.
SMOKE EVACUATION MODE OPERATION			
C			
	1. When prompted by screen, connect blue (evacuation) tubing of Filtered Tube Set to stopcock of desired conventional trocar.		2. iFS will automatically activate smoke evacuation after blue tubing is connected to second trocar.

REQUIRED COMPONENTS	
FILTERED TUBE SETS	TROCAR
Bifurcated, Dual Lumen, Filtered Tube Set (SEM EVAC)	2x Conventional Trocar

STOP SMOKE EVACUATION MODE	
D	
	1. Press STOP button to cease smoke evacuation operation.