technology for living
Provincial Respiratory Outreach Program • prop@technologyforliving.org • 1.866.326.1245
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Astral 150

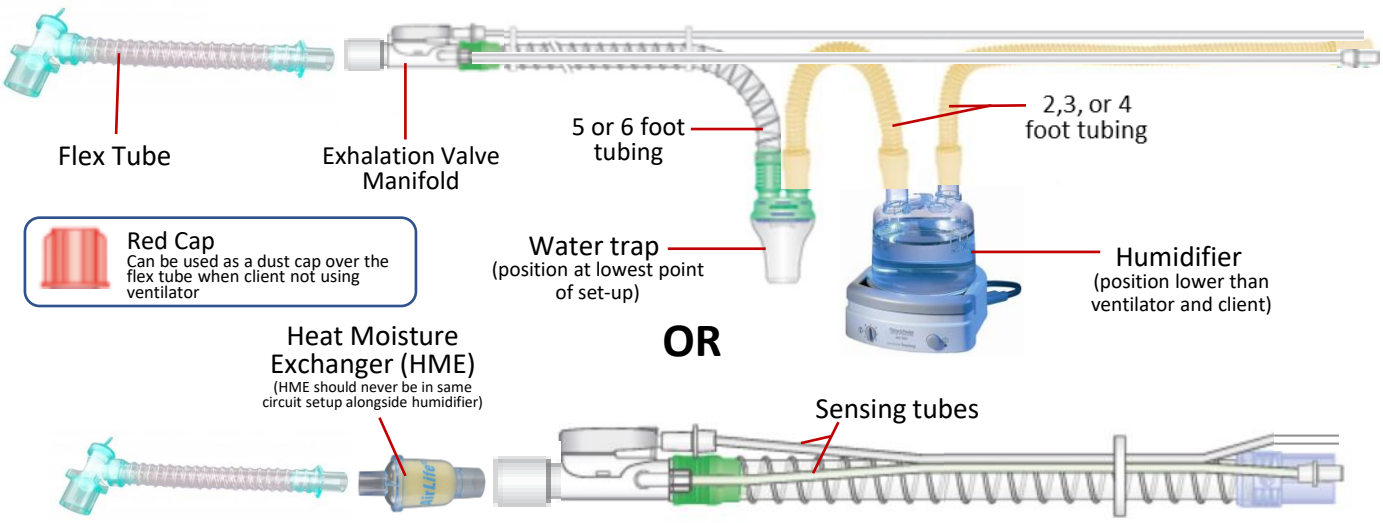

Travel Bag

Disposable filter
(change about every 6 months)

The power cord is equipped with a push-pull locking connector. To connect, line up the white arrow on the outlet to the white arrow on the inserting cable, push cord firmly into outlet. Do not twist.

To remove, grasp the power cord housing and gently pull the connector from the device. Do not twist its outer housing or pull on the cord.

Circuit Set-up (Bedside vs. Chair)

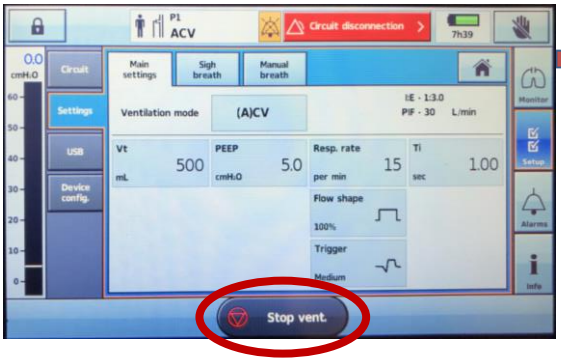


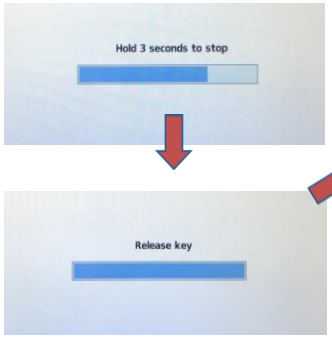
Turning ON/OFF Ventilation

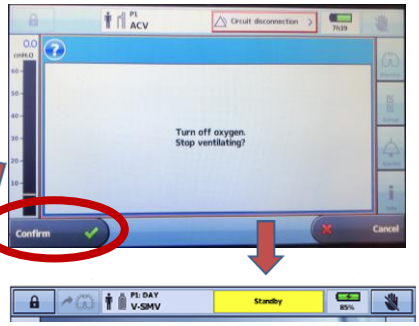
Press master power switch on back of machine to turn on ventilator and bring screen to Stand-by mode.

Press Start vent. to start ventilation.

To stop ventilation, press and hold Stop vent.. Follow screen prompts. Standby will appear in top bar when ventilation stops.

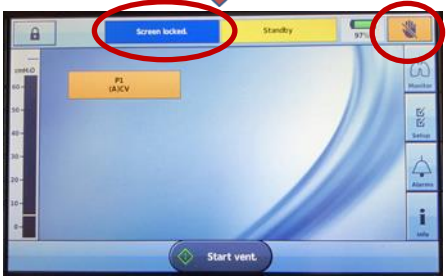






Locking and Unlocking Touch Screen

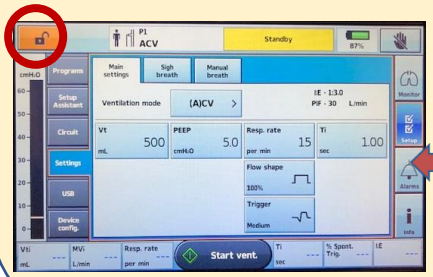
Press to lock the touch screen.

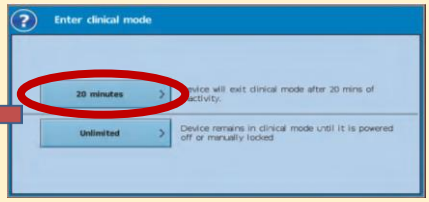


Entering Clinical Mode

(To make changes, you will need to enter the Clinical Mode)

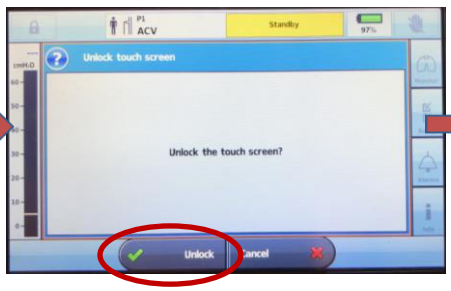
Press → and hold for 3 Seconds until 'Enter clinical mode' menu pops up





Proceed to Setting and/or Alarm changes

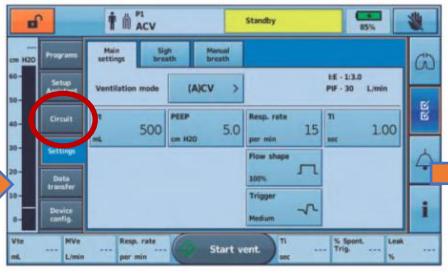
To unlock the touch screen, press . Follow screen prompts.



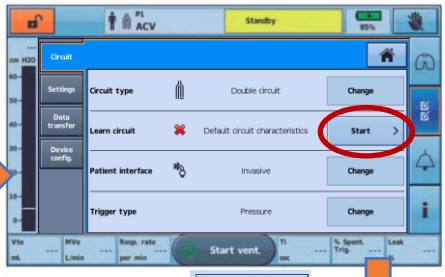
Learn Circuit

To ensure optimum and accurate performance, perform a Learn circuit function with every change of circuit and at regular intervals. Do NOT perform 'Learn circuit' with client connected.

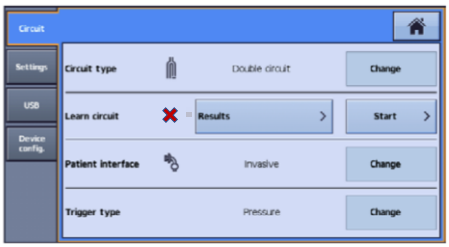
Press settings tab



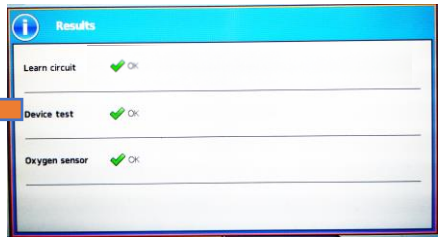
Press



Press Start



If results show a failure indicated by ✗, repeat 'learn circuit' or contact PROP for support.

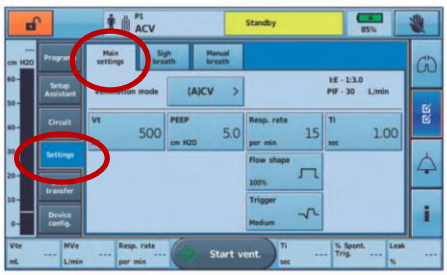


If 'Learn circuit' successful (indicated by ✓), you may connect client and start ventilation when ready.

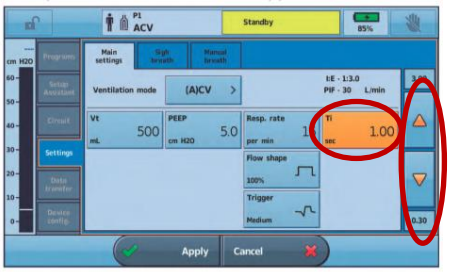
How to Make Setting Changes

Confirm clinical menu is unlocked

Press settings tab



Press Settings tab
Press Main settings tab

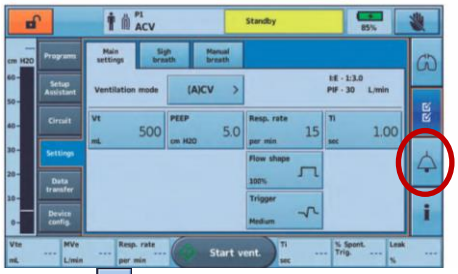


Select setting to be changed. (It will be highlighted in orange). Use up/down arrow to make change and confirm change by pressing apply.

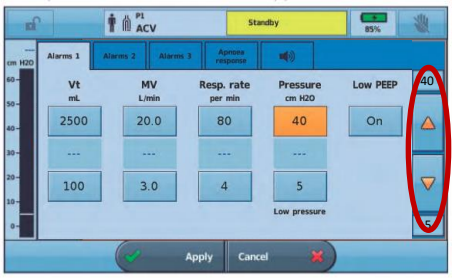
How to Make Alarm Setting Changes

Confirm clinical menu is unlocked

Press settings tab



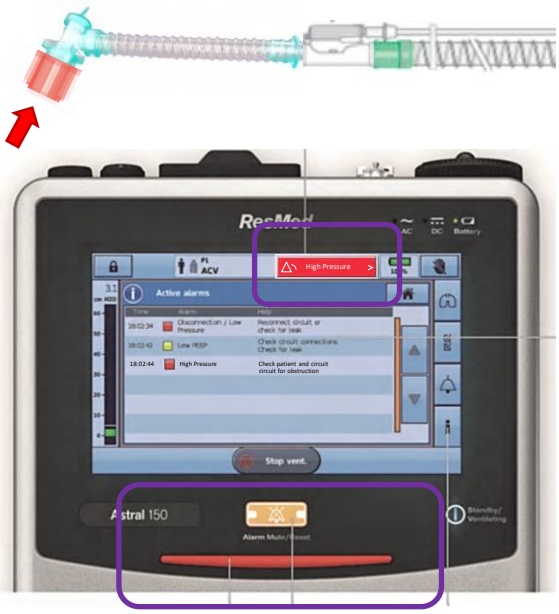
Press alarms tab
Press Alarms 1 Alarms 1 settings tab

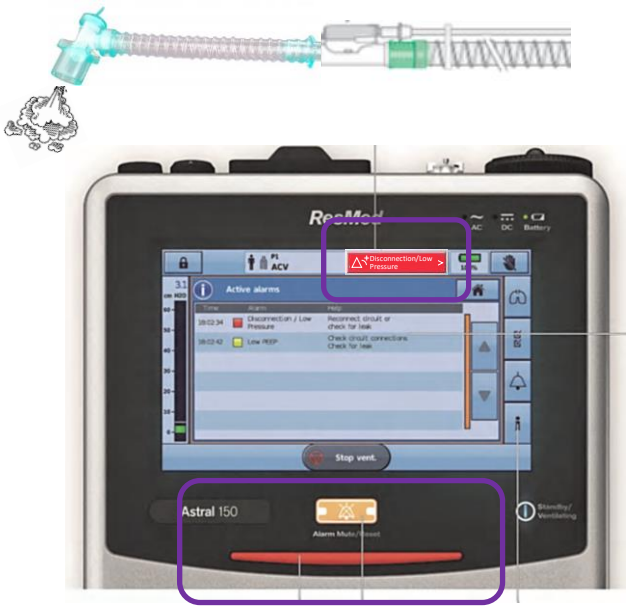


Select alarm setting to be changed. (It will be highlighted in orange). Use up/down arrow to make change and confirm change by pressing apply.

Testing the Circuit Prior to Use (2 tests)

A circuit test is recommended to confirm alarms are effective, especially following a circuit change, a ventilator exchange, user's extended length of time away from ventilator, and any setting changes.





Occlusion Test

With circuit completely assembled and attached to the ventilator, turn on ventilation air flow. Occlude flex tube with red cap or use the palm of your hand to completely block any air from escaping the circuit.
Within 15 seconds, confirm audible alarm and visual ventilator alarms. The visual alarms include: 'High Pressure' alarm message in top bar, lit up alarm mute button, and blinking alarm bar.

If audible and visual confirmation of both tests cannot be achieved, call PROP for support.

Disconnect Test

With circuit completely assembled and attached to the ventilator, turn on ventilation air flow. Allow flex tube outlet to blow freely and un-occluded in the surrounding environment.
Within 15 seconds, confirm audible and visual ventilator alarms'. The visual alarms include: 'Circuit disconnection' and/or 'Low Pressure' alarm message in top bar, lit up alarm mute button, and blinking alarm bar.

Once alarms are successfully confirmed for both tests, you may proceed with attaching circuit to client and turning ventilator flow on for use.

If audible and visual confirmation cannot be achieved. Turn off airflow, check connections are assembled correctly and tightly, then repeat tests.

Filter change

1. Unlock the air filter cover by turning in anti-clockwise direction.
2. Pull the air filter cover from the device.
3. Pull the air filter from the cover and discard.
4. Insert a new filter into the cover.
5. Insert the air filter and cover back into the device.
6. Turn in a clockwise direction to secure in place.

Do not wash the air filter. The air filter is not washable or reusable.

Charging the Internal Battery

Power source indicators

- AC (mains power supply)
- DC (external battery or car adapter)
- Internal battery

Charging a depleted internal battery may take up to four hours if the ventilator is on standby

The internal battery will run for approximately eight hours.

*****Individual testing to confirm duration of battery is recommended as settings and client's status may change working load of battery**

Supplies

Below reviews standard supplies issued to PROP clients, you may not be using all items listed or these specific items. Please call PROP if you have any questions.

Cleaning and replacement recommendations can be adapted to the client's individual care. Careful inspection of the integrity of parts can be considered prior to replacement

Item	Description	Reusable	Frequency of Cleaning	Frequency of Replacement	PROP Order ID#
	Filter	No	N/A	Every 6 months or as needed	
	Circuit (includes red cap, exhalation valve, 6 foot corrugated tubing, and 2 sensing lines)	Yes	Once a week and as needed **(Do not wash the exhalation valve or sensing lines)**	Every 4-6 weeks or as needed	748
	Water Trap	Yes	Once a week and as needed	As Needed	947
	2, 3, or 4 foot tubing	Yes	Once a week and as needed	As Needed	2ft – 5 3ft – 777 4ft – 6
	Water Chamber	Yes	Once a week and as needed	As Needed	612
	Flex Tube	Yes	Once a week and as needed	Every 4-6 weeks or as needed	782
	HME (Air Life)	No	N/A	After 24 hours of use	847

Cleaning (Any reusable items listed above follows the same procedure below)

- Disassemble all pieces completely. Fill a basin with warm water, adding dish detergent (mild, unscented, non-antibacterial) to make a warm sudsy solution.
- Submerge all pieces entirely in the sudsy water. Soak to ease removal of dirt.
- Rinse all cleaned pieces with water to remove any remaining residue.
- Air-dry all pieces completely before assembly.
- Inspect for cleanliness to ensure no visible dirt remains. Re-clean any pieces that appear dirty.
- Inspect every piece individually for any cracks, tears, obvious signs of wear.
- Throw out any piece(s) that are cracked, torn, or worn. Replace with a same clean and intact piece.

The exterior of the ventilator surface requires a periodic wipe down with a damp cloth of mild detergent or household cleaner. Wipe off any residue with a damp cloth of warm water.

For more information:

www.technologyforliving.org

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