

Pulmonary Technology Dependence Program

BREAS Vivo 45LS Priority Alarms & Troubleshooting



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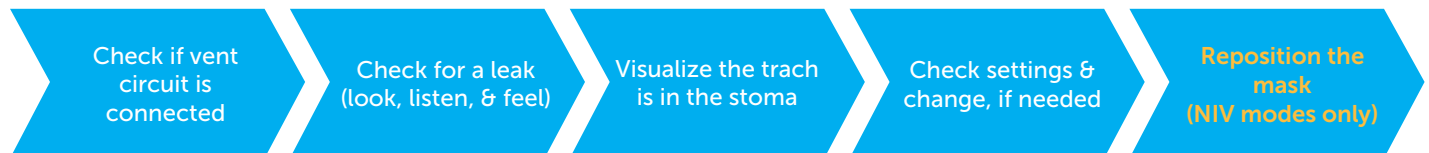
High Pressure Alarm – HIGH Priority – The patient pressure reaches the set High Pressure alarm limit for three consecutive breaths. (Alarm typically set 10.0 cmH₂O above set Inspiratory Pressure)

Possible Causes: Pressure setting and alarm settings are mismatched, Patient is coughing during inspiration, Changes in airway resistance and/or compliance.



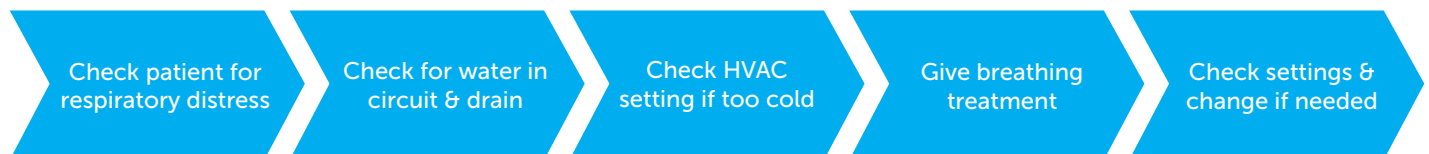
Low Pressure Alarm – HIGH Priority – The ventilator pressure fails to reach the Low Pressure alarm limit for 15 seconds. (Alarm is typically set 1.0 cmH₂O below set Inspiratory Pressure)

Possible Causes: Ventilator circuit is disconnected, Pressure setting and alarm settings are mismatched, there is a large leak in the ventilator circuit. (Patient mask may be positioned incorrectly -NIV only)



High Breath Rate Alarm – MEDIUM Priority – The delivered total breath rate is above the alarm limit for 15 seconds.

Possible Causes: The Breath Rate setting and the alarm setting are mismatched, the patient or ventilator circuit is triggering too many breaths because the inspiratory trigger setting is too sensitive (possible water in the circuit), there is an increase in the patient's spontaneous breathing due to respiratory distress.



Low Breath Rate Alarm – HIGH Priority – The delivered total breath rate is below the alarm limit for 15 seconds. *Possible Causes: The Breath Rate setting and the alarm setting are mismatched, the patient cannot trigger breaths because the inspiratory trigger setting is too high, there is a decrease in the patient's spontaneous breathing, or there is a circuit disconnection.*



(IF the patient is awake, breathing, and settings are set appropriately, then **disconnect patient from ventilator to begin bagging** patient and **call 911 for further assistance. Notify DME** once EMS has arrived to assist.)

Low Mve Alarm (Low Expired Minute Volume Alarm) – HIGH Priority – The Monitored minute volume is below the alarm limit for more than 15 seconds. *Possible Causes: Breathing rate & Tidal Volume settings and alarms settings are mismatched, there are changes in airway resistance and/or compliance, the patient breathing rate is decreased, there are excessive secretions in the airway, there is a leak in the ventilator circuit, or the patient has decannulated. The patient mask may be positioned incorrectly (NIV modes only).*

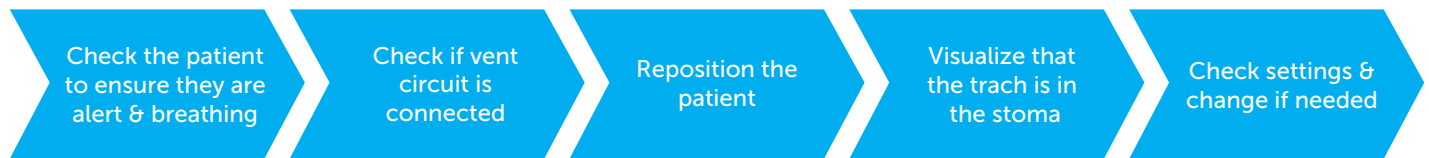


*Source: Breas Medical – Doc. 007301 K-1

For more about this product and further instructions, please see the owner's manual.

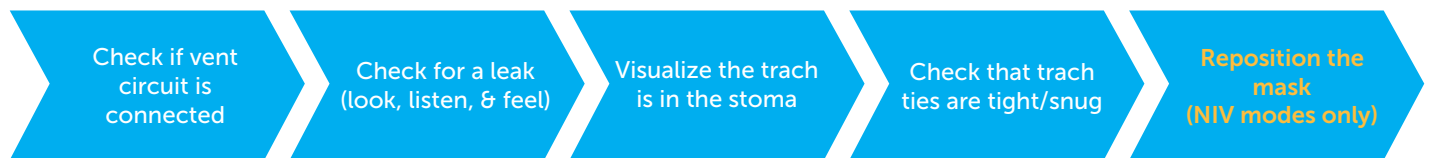
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Apnea Alarm – HIGH Priority – (only used in CPAP mode) This alarm will sound when no patient-triggered breath is detected for the set period of time. The Apnea alarm is only available if the Inspiratory trigger is activated. *Possible Causes: The patient stopped breathing, the patient decreases spontaneous breathing, the inspiratory trigger is set too high, or the circuit is disconnected.*

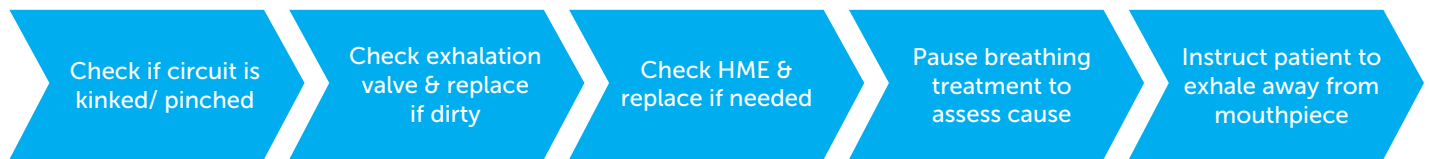


(*) Notify Physician, PTDP Respiratory Therapist, or PTDP Nurse)**

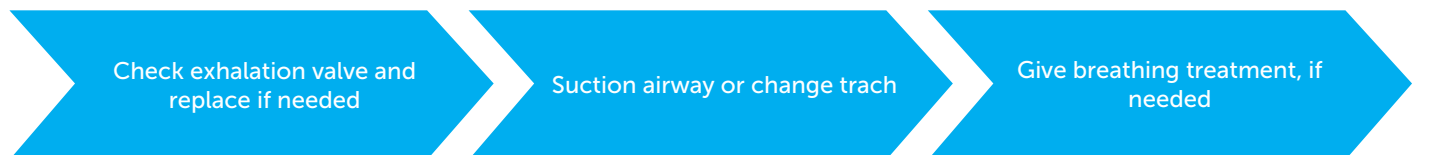
Disconnection Alarm (Circuit Disconnect) – HIGH Priority – This will be given when the measured flow exceeds the expected leakage flow at the set pressure for 15 seconds. *Possible Causes: There is a large leak in the patient circuit, the ventilator circuit has been disconnected, the patient has removed the NIV mask, or there is a pilot pressure tube disconnection.*



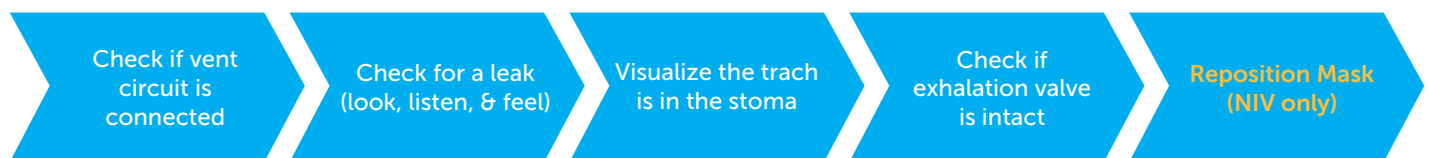
Rebreathing Alarm – HIGH Priority – with a leakage circuit (Passive), this alarm will be given if the intentional leakage is too low for more than 15 seconds. In a MPV Circuit (Sip & Puff), this alarm will be if air returns into the ventilator for more than 10 consecutive breaths. *Possible Causes: The whisper swivel/exhalation valve is obstructed or occluded, the incorrect patient circuit is in use. (The patient exhales through the mouthpiece (sip & puff or MPV circuit)).*



High PEEP Alarm – MEDIUM Priority – The measured PEEP is 30% above the set value for more than 15 seconds. *Possible Causes: Exhalation valve/leakage port is occluded or blocked, Expiratory time is too short, malfunction of exhalation valve/leakage port, Changes in airway resistance and/or compliance.*



Low PEEP Alarm – MEDIUM Priority – The measured PEEP is 30% below the set value for more than 60 seconds. *Possible Causes: Excessive Leakage, Ventilator circuit is disconnected, Malfunction of the exhalation valve, or Decannulation. (The patient mask may be positioned incorrectly - NIV modes only).*



**Source: Breas Medical – Doc. 007301 K-1*

For more about this product and further instructions, please see the owner's manual.

(*) Notify Physician, PTDP Respiratory Therapist, or PTDP Nurse of ANY PERSISTENT alarms as soon as possible for help identifying possible solutions. Pulmonary Office # is 205-638-9583 - Option 7 (***)**