840[°] Ventilator System SMARTER BREATH DELIVERY

The intelligent breath delivery system of the Puritan Bennett[®] 840[™] Ventilator helps deliver optimal ventilation. Color-coded waveforms on the screen allow quick and easy interpretation of your patient's ventilatory status.

Catch the wave!

PERCENT Rise Time Percent (%)

RISE TIME

determines how quickly pressure rises from PEEP level to peak pressure, in a pressure breath mode. The clinician sets the RiseTime %, from 1% to 100%. A lower RiseTime % slows the time to reach set target pressure. A higher Rise Time % shortens the time to reach set target pressure.

Setting Rise Time Percent

Set the Rise Time % to achieve optimal patient comfort and synchrony and maintain acceptable mean airway pressure values. The built-in "smart rise" algorithm can maintain the shape of the riseto-pressure curve, regardless of changes in patient compliance, resistance or demand.

CACTIVE EXHALATION VALVE

The Active Exhalation Valve adjusts during pressure control type breaths to allow the patient to breathe spontaneously without affecting plateau pressure. During inspiration, the valve adjusts to maintain the set target pressure. During expiration, the valve opens to allow exhaled gas to vent, avoiding increases in plateau pressure.

Setting the Active Exhalation Valve The Active Exhalation Valve is a self-activated feature of the 840 Ventilator System, designed to enhance patient-ventilator synchrony. It is not set by the clinician.

EXPIRATORY SENSITIVITY

Expiratory sensitivity (E_{SENS}) sets the percentage of delivered peak inspiratory flow necessary to terminate inspiration and initiate exhalation. The clinician determines the E_{SENS} setting, adjustable from 1% to 80%. A lower E_{SENS} setting increases inspiratory time. A higher E_{SENS} setting decreases inspiratory time. E_{SENS} can limit unnecessary expiratory work and improve patientventilator synchrony.

Setting E_{SENS}

After adjusting Rise Time %, the clinician sets E_{SENS} . The setting should cease inspiratory flow and cycle into exhalation at the most comfortable percentage. Most patients are comfortable with an E_{SENS} setting of 10%.

For more information, call customer service at 1-800-635-5267 or visit www.puritanbennett.com

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FLOW TRIGGERING

Flow triggering delivers a breath from the ventilator when a specific flow of gas leaves the breathing circuit. The clinician sets the flow sensitivity (V_{SENS}) threshold. Lower \dot{V}_{SENS} increases ventilator sensitivity to patient effort. Higher \dot{V}_{SENS} decreases ventilator sensitivity.

Setting V_{SENS}

Set at the minimal level above auto-triggering. If autotriggering is present, increase in increments of 1-2 L/min until auto-triggering ceases.