DUAL LIMB CIRCUIT: Measures Inspiratory and Expiratory Tidal Volumes. Exhalation Returns to device

Volume Modes

(A)CV (Assisted volume-control ventilation): Is a volume targeted ventilation mode delivery volume controlled mandatory breaths.
Ordered Settings: RR, PEEP, Tidal Volume, I-Time

RANGES/DEFAULT VALUES:
> **RR**: 5-80 bpm [20bpm]
> **PEEP**: 3-20cmH2O [7cmH2O]
> **I-Time**:0.3-3.0 sec [1.00]
> **Flow Shape**: 25%-100% [100%]
> **Trigger (pressure):** very low to Very High [very high]

V-SIMV (Volume Synchronized Intermittent Mandatory Ventilation): Is a mixed ventilation mode delivering volume controlled mandatory breaths and pressured supported spontaneous breaths.
Ordered Settings: RR, PEEP, PS, Tidal Volume, I-Time

RANGES/DEFAULT VALUES:
> **RR**:5-80 bpm [20 bpm]
> **Vt**: 50-500ml [50ml]
> **PEEP**: 3- 20cmH2O [7cmH2O]
> **PS (above PEEP)**: 2-50cmH2O
> **I-Time**: 0.3-3.0sec [1.00sec]
> **Flow shape**: 25% to 100% [100%]
> **Trigger (pressure):** very low to very high
> **Rise Time (msec)**: 150-900 msec [200msec]
> **Cycle %:** 5 to Auto [5%]

Pressure Modes

P(A) CV (Assisted Pressure Controlled Ventilation) Is a pressure targeted
ventilation mode delivering pressure-controlled mandatory breaths. (Safety Tidal Volume optional)
Ordered Settings: RR,PEEP,P-control, I-Time
Ordered Settings with Safety Tidal Volume: RR,PEEP,P-control,I-time,Tidal volume, P-control max

RANGES/DEFAULTS VALUES:

      RR: 5 - 80bpm [20 bpm]
      P-Control: 2 -50cmH2O [7cmH2O]
      PEEP: 3-20cmH2O [7cmH2O]
      I-Time: 0.3-3.0sec [0.6 sec]
      Trigger (pressure): very low to very high
      Rise Time (msec): 150-900 msec [200msec]

Safety Tidal Volume (optional):50-500ml[50ml]
P-Control max(mandatory with safety tidal volume)2-50cmH2O [30cmH2O]

P-SIMV (Pressure Synchronized Intermittent Mandatory Ventilation): Is
a mixed ventilation mode delivering pressured-controlled mandatory breaths and pressure supported spontaneous breaths.
Ordered Settings: RR, PEEP, PS, P-control, I-Time
Apnea Alarm (Alarm only, ACV + Alarm, PACV + Alarm)

RANGES/DEFAULTS VALUES:

      RR: 5-80 bpm [20 bpm]
      PEEP: 3-20cmH2O [7cmH2O]
      P-Control: 2-50cmH2O
      I-Time: 0.2-5.0 sec [0.6 sec]
      PS (above PEEP): 2- 50 cmH2O
      Rise Time (msec): 150-900 [200msec]
      Trigger (pressure): very low to very high [very high]
      Cycle %: 5 to auto [5%]

__PS__ (Pressure Support): Is a pressure targeted ventilation mode delivering pressure supported spontaneous breaths (Safety Tidal Volume optional)

Ordered Settings without Safety Tidal Volume: RR,PEEP,PS,I-time max, I-time min
Ordered Settings with Safety Tidal Volume: RR,PEEP,PS,I-time max, I-time min, Tidal volume, PS max

RANGES/DEFAULT VALUES:

RR: 5-80 bpm [20 bpm]
PEEP: 3-20cmH2O [7cmH2O
PS (above PEEP): 2-50 cmH2O
I-time min: 0.2-4.0 sec [0.2sec]
I-time max:0.3-4.0 sec [0.8sec]
Rise Time (msec): 150 - 900 msec [200msec] **(cannot exceed ⅔ of I-time max)**

Trigger (pressure): very low to very high [very high]
Cycle %: 5 to auto [5%]
Safety Tidal Volume (optional): 50-500ml [50ml]
PS max(mandatory with Safety Vt):2-30cmH2O [30cmH2O]

__CPAP__ (Continuous Positive Airway Pressure): mode delivers a constant level of pressure during inspiration and expiration.

RANGES/DEFAULT VALUES:

CPAP (PEEP) 3-20cmH2O [7cmH2O]
Trigger (pressure): Very low to Very High [Very High]