SINGLE LIMB CIRCUIT WITH WHISPER VALVE: Measures/Targets Expiratory Tidal Volumes

MODE: PS (pressure added to whatever the peep is set)

PS: **(Pressure Support)** Is a pressure targeted ventilation mode delivering pressure supported spontaneous breaths. (Safety Vt optional) **FREQUENTLY USED MODE**
Ordered Settings without Safety Tidal Volume: RR(minimum back-up rate),PEEP,PS, Ti min,Ti max
PS SVT: Ordered Settings with Safety Tidal Volume: RR (minimum back-up rate), PEEP, PS(now a minimum pressure) ,I-Time min, I-Time max, Tidal Volume, PS max

- With safety Volume on the vent attempts to increase the ps until the targeted exvt is obtained. Slower in resonance to exvt than the servoi's (prvc or vol support modes).
- The set rate is a back up minimum rate as the target volume and insp time functions in the same maneuver when the rate is initiated using flow termination within the allowable times.

RANGES/DEFAULT VALUES

RR: 5-80 bpm [20bpm]
PEEP: 2 -25cmH20 [5cmH2O]
PS (above PEEP): 2-48cmH20 [7cmH2O]
Cycle %: 5-90%
Trigger (pressure): Very Low to Very High [Very High]
Rise Time(msec): 150 - 900msec [200msec] **(cannot exceed ⅔ of I-time max)**
I-time min: 0.2-4.0 sec [0.2sec]
I-time max: 0.3-4.0 sec [0.8sec]

Safety Tidal Volume (optional): 50-500ml
PS max(mandatory with safety tidal volume): 2-48cmH2O

CPAP:

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

RANGES/DEFAULT VALUES:

CPAP (PEEP): 3-20cmH2O [5cmH2O]
Trigger (pressure): Very low to Very High [Very High]

(S)T: (Spontaneous Time)

Is a pressure targeted, flow cycled, ventilation mode delivering pressure supported spontaneous breaths a set back-up rate with a (Safety Vt optional) **FREQUENTLY USED MODE**
Ordered Settings without Safety Tidal Volume:RR(back-up),EPAP, IPAP(PIP), I-Time min, I-Time max
Ordered Settings with Safety Tidal Volume: RR,EPAP,IPAP(PIP), I-Time min, I-Time max Tidal Volume, IPAP Max (pip max as set)

RANGES/DEFAULT VALUES

RR: 5 - 80BPM [20bpm]
EPAP (PEEP): 2 - 25 cmH2O [5cmH2O]
IPAP: 4 - 50 cmH20 [12cmH20]
Trigger (pressure): Very low to Very High [Very High]
Rise Time (msec): 150-900 [200 msec] **(cannot exceed ⅔ of I-time max)**
I-time min: 0.2 - 4.0 sec [0.2sec]
I-time max: 0.3 - 4.0 sec [0.8sec]
Cycle%: 5-90% [25%]

Safety Tidal Volume (optional):50-500ml[50ml]
I-PAP max (mandatory with Safety Tidal Volume): 4.0-50 cmH2O

P(A)C: Is a bilevel ventilation mode delivering pressure-controlled mandatory breaths (Safety Vt optional)

Ordered Settings without safety Tidal Volume: RR, EPAP,IPAP, I-Time
Ordered Settings with safety Tidal Volume: RR, EPAP,IPAP(minimum pip), I-Time, Safety Tidal Volume, IPAP max

RANGES/DEFAULT VALUES:

RR:5-80 bpm[20bpm]
EPAP (PEEP): 2 to25 cmH2O [5cmH2O]
IPAP: 4 to 50 cmH20 [12cmH2O]
I-time: 0.3 to 4.0 sec[0.6sec] **(cannot exceed ⅔ of 60bpm)**
Trigger (pressure): Very Low to Very High [Very High]
Rise Time (msec): 150-900 msec[200 msec]

Safety Tidal Volume (optional):50-500ml[50ml]

I-PAP max (mandatory with Safety Tidal Volume): 4.0- 50 cmH2O

DISCONNECTION ALARM: (has to be set "ON" to use)
The disconnection alarm can be adjusted based on patient minimal leak