

VDR°-4 Quick Start Guide for Pediatric Patients

Pediatric Starting Guidelines

ANATOMY OF THE VDR°-4 WAVEFORM

	Pediatrics < 10 kg	Pediatrics 10-20 kg	Pediatrics > 20 kg
Operating Pressure (psi	i) 40	40	40
Pulse Frequency Rate (c	ycles) 500	500	500
Convective Rate (bpm)	* 30	20	15
I time (seconds)	1.0	1.5	2.0
E time (seconds)	1.0	1.5	2.0
Oscillatory CPAP/PEEP	6-8	6-10	8-10
Pulsatile Flow (AIP)	24-2	28 24-28	28-32
Demand CPAP/PEEP	off	off	off
Convective Pressure Ris	se off	off	off

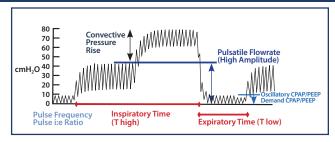
For basic CO₂ manipulation: Increase Pulsatile Flow in 2-4 cmH₂O increments up to 40-44 cmH₂O in pediatrics.

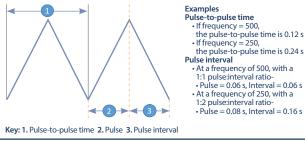
For basic oxygenation improvement: Increase PEEP in 2 cmH₂O increments up to 14-16 cmH₂O.

Increase FiO₂ appropriately.

* Breaths per minute (bpm)

NOTE: These are merely suggested guidelines based on clinical consensus.





the pulse-to-pulse time is 0.24 s

- If frequency = 250,
- At a frequency of 500, with a
- 1:1 pulse:interval ratio-
- Pulse = 0.06 s. Interval = 0.06 s · At a frequency of 250, with a
- 1:2 pulse:interval ratio-
- Pulse = 0.08 s. Interval = 0.16 s