

DeVilbiss®

PulseDose® – The Gold Standard

"I don't like batteries"

Answer: **"You can't be Rate Responsive without them."**

PulseDose Rate Responsiveness: Least chance of desaturation + Maximum Savings

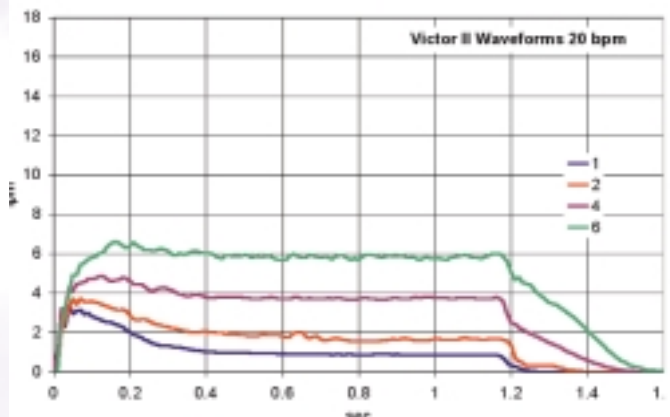
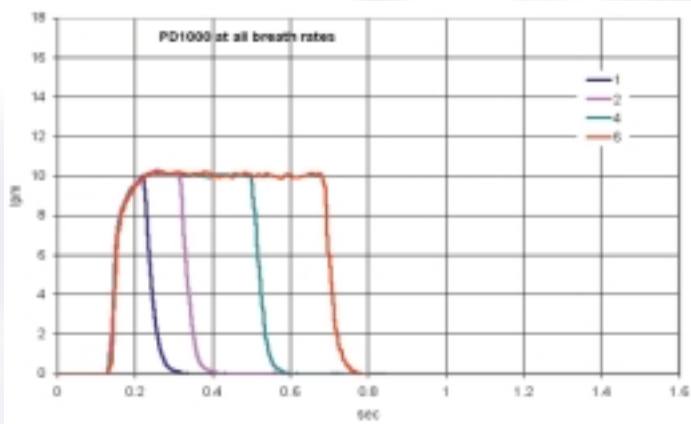
At 2 setting, 20 bpm (Data provided by *Valley Inspired Products*, Burnsville, MN, 2002):

PD1000

- 33 ml O₂
- 10 LPM flow
- Bolus very early in inspiration

Pneumatics (example)

- 50 ml O₂
- 2 LPM flow
- Flow across entire inspiration



PulseDose: Least chance of desaturation

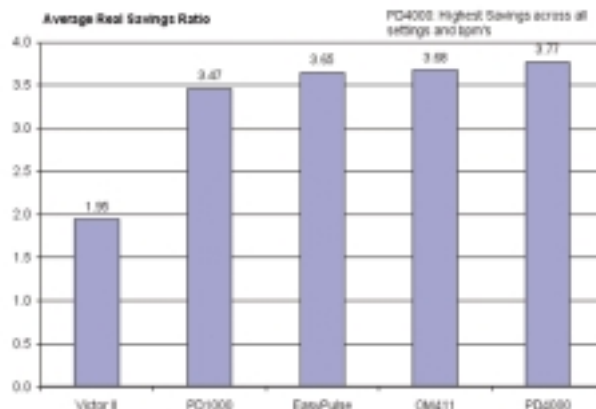
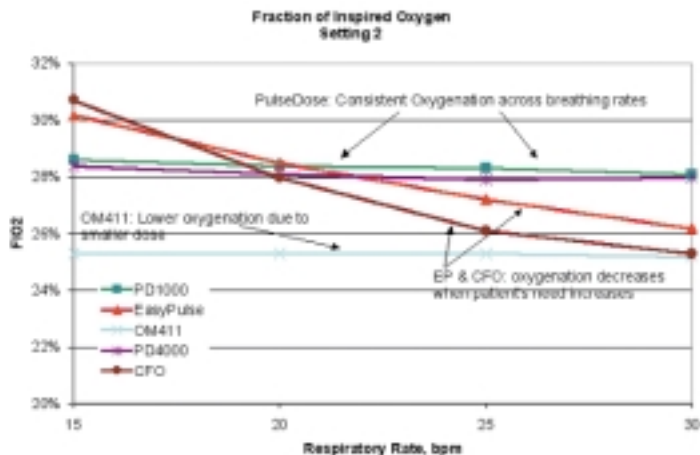
Same O₂ bolus with every breath

Breath rate	O ₂ used/breath
15 bpm	33 ml.
20 bpm	33 ml.
30 bpm	33 ml.

Pneumatics & CF: Less O₂ when it is needed

Faster breathing = less O₂/breath

Breath rate	O ₂ used*/breath
15 bpm	45 ml.
20 bpm	33 ml.
30 bpm	23 ml



*Note: CF @ 2 LPM, I:E ratio of 1:1, 1000 ml/min. flow. Assuming equivalent effectiveness at 20 bpm (66% efficiency)

“I still don’t like to deal with service calls”

Answer: **PulseDose® built for durability, easy service & long life backed by the best warranty available**

PD1000

- High-impact polymer case resists damage
- Protected cannula fitting
- Field-serviceable, reducing turn-around
- 3-year warranty
- Single lumen cannula
- Changeable Continuous Flow flexibility
- Batteries: easy change AA’s; 2-4 months life

Pneumatics

- Drop likely to dent & damage metal body
- Cannula fittings exposed, damage potential
- Repairs need to be returned to factory
- 2-year warranty, at most
- Dual lumen cannula (except for EasyPulse)
- Single Continuous Flow (except W/Medica)

“Patients are going to their Doctors requesting Helios”

Answer: **Inform Doctors & patients about the light weight, 5 1/2 hour life and ease of use of PulseDose**

Characteristic

Conserving Device

PD1000 w/ML-6 cylinder

PulseDose (electronic)

- Rate Responsive dosing
- Field serviceable
- Standard cannula (up to 35’)

Helios

pneumatic

- O₂ dose drops w/faster breathing
- Only factory service
- Dual lumen cannula needed

System Considerations

- Refills available: many locations
- Few problems with extended trips
- Cylinder changes simple
- Extremely durable system

- limited, specialized refilling
- portable reservoirs unavailable
- need training to refill properly
- case can crack refilling liquid O₂

Warranty

3-years

1-year

Oxygen Delivery Time

5.5 hours

6 hours

(2 LPM CF/20 bpm equivalency)

System Weight

4.6 lbs.

Portable (filled): 3.4 lbs.
Reservoir: 85 – 110 lbs.

“Isn’t any electronic conserver just as good as PulseDose?”

Answer: **PulseDose is less irritating and noisy, its battery lasts longer and is more durable**

PD1000

- Gentler 10 LPM O₂ flow
- Field-serviceable, reducing turn-around
- Protected cannula fitting
- Smaller/lighter 16 oz. unit
- 3-year warranty
- Changeable continuous flow flexibility
- Batteries: easy change AA’s; 200 hrs. life

Chad 411

- 16 LPM flow noisy and drying/irritating
- Repairs need to be returned to factory
- Cannula fittings exposed, damage potential
- Larger/heavier 19 oz. unit
- 2-year warranty
- Single continuous flow (2 LPM)
- Batteries: 1 C cell; 175 hrs. life
- Real savings = PulseDose (not 5:1 as claimed)

Summary:

PulseDose is the only conserving device system that combines:

- Rate Responsiveness
- Maximum savings
- Durability, light weight & simple operation
- Field serviceability and 3-year warranty
- Single lumen cannula convenience & adjustable CF flexibility

