VORTRAN MEDICAL

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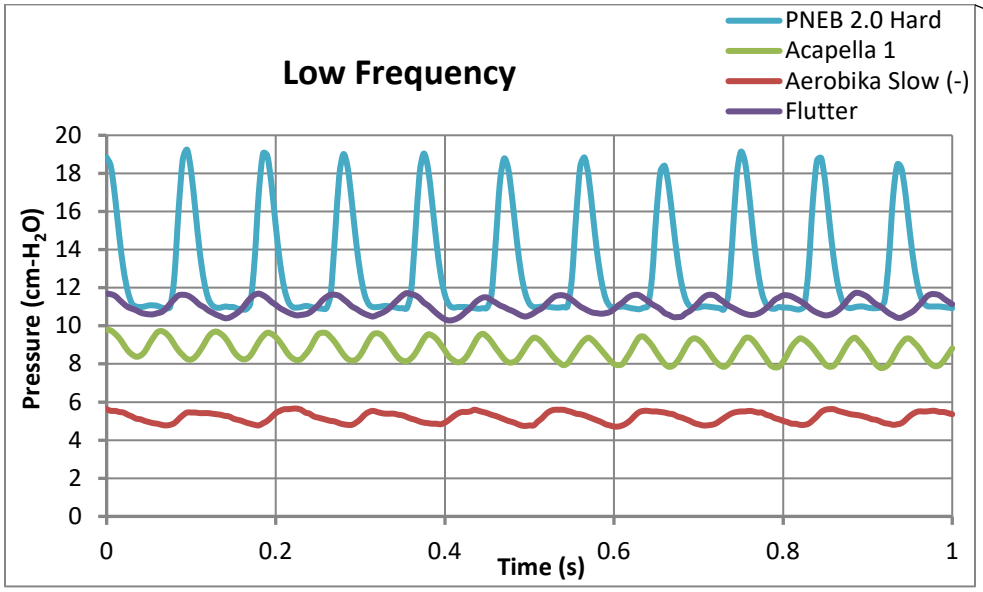
Low and High Frequency Comparison of PercussiveNEB™ 2.0 to PEP Devices at Simulated Exhalation Flow of 20 LPM

Devices:

- VORTRAN PercussiveNEB™ 2.0 Model 8030
- Trudell Medical International Aerobika™ Model 62510
- Smiths Medical Acapella® Duet Model 27-9001
- Allergan FLUTTER®

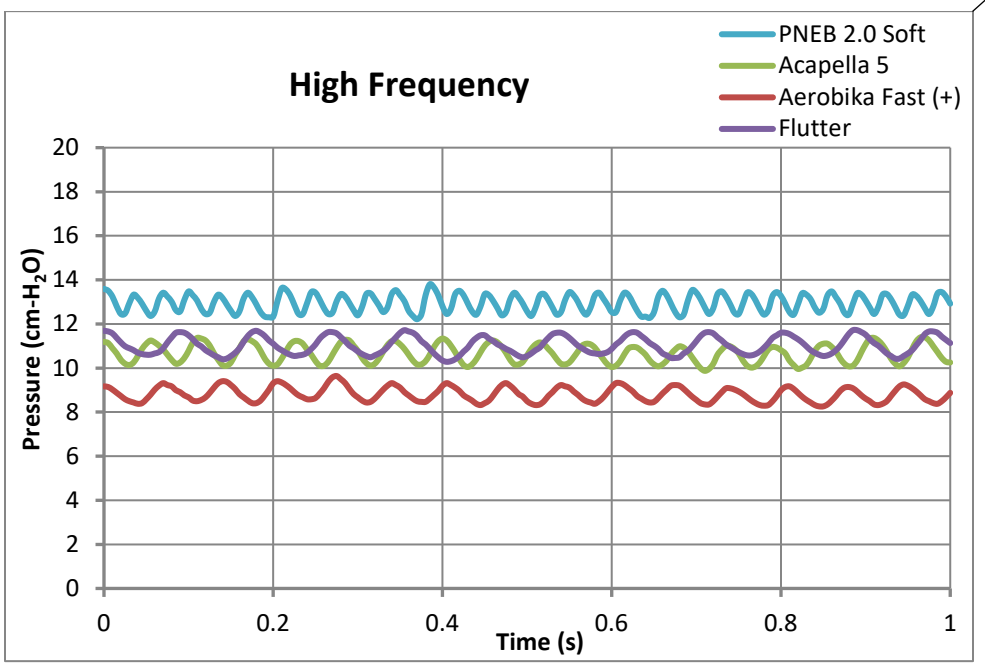
Test Method:

- Mouthpiece of each device connected directly through two in-line T-pieces to test lung
- First in-line T-piece connected to air source providing 20 LPM (simulated exhalation flow)
- Second in-line T-piece connected to data acquisition system (providing simulated data)
- Data recorded for devices adjusted to low frequency setting and high frequency setting



At Low Frequency:

The results at a low frequency setting indicate that a peak pressure with a large and effective amplitude can be achieved with the PNEB™ 2.0



At High Frequency:

The results at a high frequency setting indicate that a peak pressure with a higher baseline can be achieved with the PNEB™ 2.0

Note: The pressure knob of PNEB™ 2.0 allows adjustment of pressure and frequency from the Low Frequency to High Frequency in small increments for optimal effectiveness and patient comfort. In this test only, two positions were compared.

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