APRV: Airway Pressure Release Ventilation

Is basically CPAP with two different levels of PAP.

The key feature is, TWO LEVELS OF PEEP.  This mode can have pressure support added, or automatic tube compensation.

Expiration occurs during the low-PEEP time

The Low PEEP time (show above to be equal to the high PEEP time) should NEVER be that long; it should be kept as low as possible to prevent de-recruitment.

The patient draws breath at two different lung volumes. At the high peep, the lungs are almost completely full, and the patient is breathing near vital capacity.

This mode of ventilation is usually reserved for severe ARDS. The next step would be HFOV.

With "Basic Assessment and Support in Intensive Care" by Gomersall et al. as a foundation. I built using the humongous and canonical "Principles and Practice of Mechanical Ventilation" by Tobin et al. – the 1442 page 2nd edition.