

BIPHASIC CUIRASS VENTILATION

vs BiLevel (NIPPV) & Tracheostomy

HOW DOES BCV WORK?

Biphasic Cuirass Ventilation (BCV) controls both phases of the respiratory cycle. During the inspiratory phase, BCV uses the power of negative pressure to inflate the lungs through a cuirass shell. During the expiratory phase, positive pressure is applied via the cuirass shell, which causes the diaphragm to move back up, facilitating a breath out. BCV is proven to be more physiological than alternative forms of ventilation and is a real alternative for those with failing physiology.

BCV ventilates in sympathy with our natural breathing cycle, which lends itself to the natural benefits of spontaneous breathing on heart function.



BCV



BiLevel®



INTUBATION



TRACHEOSTOMY

Indications Comparison Chart

Does NOT require a surgical procedure	YES	YES	YES	NO
Non-Invasive Ventilation	YES	YES	NO	NO
Does NOT require mask or invasive airway device	YES	NO	NO	NO
Minimal side effects or risk	YES	NO	NO	NO
Eating and speaking easily during use	YES	NO	NO	NO
Lung Protective Inflation	YES	NO	NO	NO
No added risk of infection	YES	NO	NO	NO
Secretion Clearance and cough options	YES	NO	NO	NO
Active exhalation	YES	NO	NO	NO
Improves cardiopulmonary function and thoracic range of motion	YES	NO	NO	NO