

Can you use the HT70 Ventilator for noninvasive “BiPAP-style” ventilation?

*Such as Resprionics BiPAP or Resmed VPAP

Yes

Materials Required

- ✓ HT70 Ventilator
- ✓ HT70 breathing circuit
- ✓ Non-vented mask
- ✓ Humidification (choose **one** below)
 - HCH – Hygroscopic Condensing Humidifier
 - HME – Heat Moisture Exchanger
 - Warm water-bath humidifier

Ventilation Settings for Pressure Targeted, “BiPAP-style” Ventilation:

■ **A/CMV Mode (Recommended)**

BiPAP-Style Device	HT70 Ventilator
P-high (IPAP)	Set Pressure Control
T-high	Set i- time (Inspiratory Time)
P-low (EPAP)	Set PEEP
T-low	Set RR (Resp Rate)
	Set NIV On
	Adjust Bias Flow from 3 – 30 L/min

■ **CPAP (SPONT) Mode**

BiPAP-Style Device	HT70 Ventilator
P-high	Set PS (Pressure Support) (above PEEP)
P-low	Set PEEP
	Set NIV On
	Adjust Bias Flow from 3 – 30 L/min
	Set PS Exp Thresh
	Set PS Max i- time

- **Back Up ventilation provides supplemental ventilation when the Low Min Vol Alarm or Apnea Alarm is violated in any mode. (BUV link is selectable on Utilities Screen)**

Alarm Settings

- High/Low P (Pressure) Alarms
Set alarm limits to bracket target P-high
- Set High/Low Min Vol (Inspiratory Minute Volume) Alarm
Set alarm limits to bracket monitored Min Vol
- Set High RR Alarm
- Set Apnea Alarm

Advantages of using the Newport HT70 Ventilator to provide noninvasive ventilation

- When NIV is on, the adjustable Bias flow can be used to stabilize baseline pressure (PEEP) for more effective triggering when a leak is present.
- Pressure Control or Pressure Support assist with spontaneous breathing.
- Pressure Control can enhance ventilation for weaker patients.
- Breathing circuit easily connects to a simple anesthesia-style (non-vented) mask.
- PS Exp Threshold and PS Max i-time settings can be adjusted to improve PS breath cycling off synchrony.