Introducing the BEAR 1000 Ventilator, the most comprehensive user friendly Critical Care Ventilator available on the market today. The BEAR 1000 Ventilator offers a full range of ventilation modalities as well as several innovative clinical features such as Pressure Augmentation, Pressure Slope and SMARTTRIGGER™.

Pressure Augmentation allows patient/ventilator synchrony with superior flow demand matching, while ensuring a minimum tidal volume delivery.

Pressure Slope allows the practitioner to tailor rise time to the inspiratory pressure level, more closely matching gas delivery to clinical requirements.

SMARTTRIGGER actually thinks for itself. Once independent flow and pressure thresholds are set, SMARTTRIGGER applies computer logic to evaluate patient demand, then triggers a breath with either pressure or flow--whichever signal is more sensitive.

THE BASIC MODEL OFFERS:
- Assist CMV
- SIMV (with or without pressure support)
- CPAP (with or without pressure support)

THE COMPREHENSIVE MODEL OFFERS ADDITIONAL FUNCTIONS:
- Pressure Control Ventilation
- Minimum Minute Volume
- Pressure Augmentation
**Preset Values**

- **Min. Expiratory Time**: 250 milliseconds
- **Max. Inspiratory Time**: 5 seconds
- **Max. Working Pressure**: 120 cm H2O
- **Max. System Pressure**: 175 cm H2O

**Outputs**

- **Digital**: RS-232 bi-directional, baud rates of 1200, 2400, 9600 or 19200
- **Proximal Pressure**: 60 to +140 cm H2O, 1 cm H2O/25 mV
- **Flow**: 300 to 200 LPM, 1 LPM/10 mV
- **Remote Alarm**: Logic High/Low Signal

**Inputs**

- **Electrical**: 95-135V, 60 Hz • 80-110V, 50/60 Hz
  - 176-242V, 50/60 Hz • 192-264V, 50/60 Hz
- **Pneumatic**: Oxygen and Air 30 to 80 psig

**Physical Dimensions**

- **Weight**
  - Ventilator: 54 lbs.
  - Graphics Display: 5.5 lbs.
  - Cart: 55 lbs.
  - Compressor: 114 lbs.

- **Dimensions**
  - Ventilator: 23”W x 23.6”D x 33”H
  - Graphic Display: 16”W x 13”D x 11”H
  - Cart: 19”W x 23”D x 31.5”H
  - Compressor: 22.5”W x 23.6”D x 33”H

**Controls**

- Mode, tidal volume, rate peak flow, %O2, pressure support, assist sensitivity, PEEP/CPAP, inspiratory pause, MMV level, compliance comp., inspiratory time, pressure slope, waveforms, manual breath, manual inspiratory pause, expiratory holds, 100% O2, sighs, pressure augmentation, nebulizer, panel lock, set knob, inspiratory pressure, base flow and flow trigger

**Alarms**

- Time/I:E limit, run diagnostics, gas supply, failed to cycle, I:E override, high/low total minute volume, high/low total breath rate, high/low peak inspiratory pressure, high/low baseline pressure, alarm silence, visual reset, panel dimmer, panel lock, test, alarm set knob