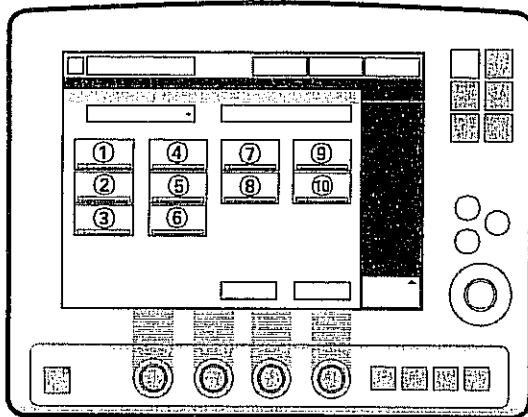


## Bi-Vent

## Functional description

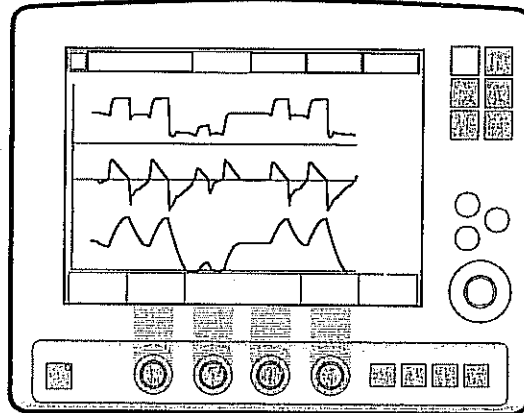


SVV-5056\_XX

Bi-Vent is pressure controlled breathing that allows the patient the opportunity of unrestricted spontaneous breathing. Two pressure levels are set together with the individually set duration of each level. Spontaneous breathing efforts can be assisted by pressure support.

The following parameters are set:

1. Pressure high ( $P_{High}$ ) for the higher pressure level (cmH<sub>2</sub>O)
2. PEEP for the lower pressure level (cmH<sub>2</sub>O)
3. Oxygen concentration (%)
4. Time at the higher pressure ( $T_{High}$ ) level (s)
5. Time at the lower pressure ( $T_{PEEP}$ ) level (s)
6. Inspiratory rise time (s)
7. Trigg. Flow / Trigg. Pressure
8. Inspiratory Cycle-off (%)
9. Pressure Support level above  $P_{High}$  (cmH<sub>2</sub>O)
10. Pressure Support level above PEEP (cmH<sub>2</sub>O)



SVX-5057\_XX

In the Bi-Vent mode the ventilator uses two shifting pressure levels, with the patient being able to breath spontaneously on both these levels.

Since Bi-Vent is basically a controlled mode of ventilation, apnea alarm and back-up ventilation are not available. It is also very important to set lower and upper alarm limit for expired Minute Volume.

Every Bi-Vent cycle is regarded as autonomous and therefore most of the measured values are updated every Bi-Vent cycle, i.e. minute volumes, respiratory rate, mean pressure and end expiratory pressure. In accordance to this, associated alarms are also handled for every Bi-Vent cycle.

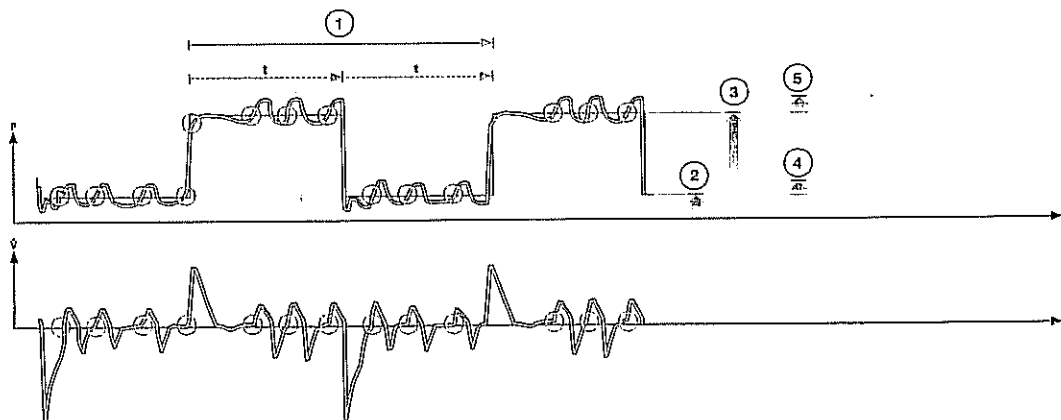
At extreme settings the update of measured values and alarms will show a mandatory frequency dependence even in the face of preserved spontaneous breathing.

As a result of switching between two different pressure levels, the tidal volumes may vary significantly between different breaths. This may also be the case for etCO<sub>2</sub> concentration.

It is not recommended to use *Auto scale* in Bi-Vent mode, when patient is breathing spontaneous on both levels.

## 2 Bi-Vent

### Bi-Vent in detail



SVX-184\_XX

This function allows for spontaneous breathing / pressure supported ventilation at two different pressure levels. These basic levels are individually set, as well as the time in seconds at each level. The ventilator always tries to synchronize with the patient's breathing.

1. Bi-Vent cycle;  $T_{High} + T_{PEEP}$
2.  $PEEP$
3.  $P_{High}$
4. The pressure support level is set individually:  $PS$  above  $PEEP$
5.  $PS$  above  $P_{High}$

### Non Inva

This chapter used during NIV refers to not intubate achieved us mask / pron  
**Note:** In NIV the measure compensate

### WARNINGS

- Avoid high lead to gas aspiration. leakage.
- The dead a mask / p
- NIV is not intubated
- $CO_2$  meas mask / pro

### Cautions:

- Mask / pro nebulizer
- It is not rec during NIV come in case of lea

### Important:

- The mask order to a
- Selection into consid accurate a
- $CO_2$  rebre and use o