### Servo i Ventilator TNA

- **Switching On / Basic Introduction**
- **Not completing Pre use check**
- **Patient Categories**
- **Non invasive mode**
- **Starting ventilation + entering Standby**
- **Setting alarms**
- **Data for carevue**

#### Basic Description of modes:

<table>
<thead>
<tr>
<th>Pressure Control</th>
<th>Volume Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRVC</td>
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</tr>
<tr>
<td>Pressure Support</td>
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</tr>
<tr>
<td>SIMV (Pressure Control, Pressure Support)</td>
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#### Detailed Description of modes

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**BI VENT**

- **Quick change dials**
- **Suction Support**
- **Trend screen**
- **screen save + review of saved waveform**
- **Displaying Loops and curves**
- **Inspiratory and Expirator Hold**
- **O2 Breaths function**

#### Common Faults

- Blocked Filter
- Inspiratory Flow overrange alarm

### Babylog Ventilator TNA

- **Switching On / Basic Introduction**
- **Pressure Ventilator for patient up to 10Kg**
- **Adjustable continuous flow**
- **Information about the flow sensors**
- **Calibrating Flow sensor**
- **Daily Oxygen calibration**
- **Manual Oxygen Calibration**
- **Manual Breath button**

#### Basic Description of modes:

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<tr>
<th>CPAP</th>
<th>CMW</th>
<th>SIMV</th>
<th>SIPPV</th>
<th>PSV</th>
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#### Vent Options

- Variable Insp / Variable Exp (VIVE)
- Volume Guided (VG)

- **Trigger sensitivity**
- **Control Dials**
  - Ti and Te
  - PIP and PEEP
  - Flow and O2

- **Set and Measured screens**
- **Data for carevue**
- **Trend Screen**
- **Setting Alarms**
- **Common Faults / Basic Faultfinding**
### Evita XL Ventilator TNA

<table>
<thead>
<tr>
<th>Switching On / Putting machine into Standby</th>
<th>Explanation of patient categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difference between settings for categories</td>
<td>6LPM continuous flow in neonate mode</td>
</tr>
<tr>
<td>NeoFlow Sensor - description &amp; calibration</td>
<td>Flow Sensor-description &amp; calibration</td>
</tr>
<tr>
<td>Selecting Non invasive mode</td>
<td>Manual Oxygen Calibration</td>
</tr>
<tr>
<td>Data for carevue</td>
<td>Setting Alarm Limits</td>
</tr>
<tr>
<td>Viewing Alarm History</td>
<td></td>
</tr>
</tbody>
</table>

#### Basic Description of modes:
- BIPAP
- SIMV
- SIMV Autoflow
- CPAP/ASB
- APRV
- BiPAP ASSIST
- MMV

#### Detailed Description of modes
- BIPAP
- SIMV
- SIMV Autoflow
- CPAP/ASB
- APRV
- BiPAP ASSIST
- MMV

- Autoflow description + turning on/off
- Trigger sensitivity
- Trigger sensitivity
- O2 Suction function
- Day / Night screen
- Displaying loops and curves
- Diagnostic tests
- Insp Hold / Exp Hold
- Turning off apnea time in neo mode

### Common Faults
- Switching neo flow sensor on and off
- Calibrating Neo Flow sensor
- Replacing and recalibrating Flow sensor

### Sensor Medics 3100A & 3100B High Frequency Oscillator TNA

#### Differences between 3100A and 3100B
- Circuit Calibration
- Bias Gas Flow
- Pressurising circuit
- Mean airway pressure adjust and limit
- Power dial and amplitude
- Freq setting
- % I time setting
- Setting up and starting the oscillator
- Piston centring (3100A only)
- Disconnecting the patient to suction / reposition
- High Pressure cut out alarm
- Setting high and low airway pressure audible alarms
- Differences between alarms on 3100A and 3100B
- Positioning the tubing relative to the patient
  - emptying the watertrap

#### Alarms
- Low battery
- Overheat
- Cooling gas
- Oscillator stopped

#### Common Faults
- Unable to pressurise - checking for leaks
- Low battery light
<table>
<thead>
<tr>
<th>Inovent TNA</th>
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<tbody>
<tr>
<td><strong>Introduction - NO Gas Delivery System</strong></td>
</tr>
<tr>
<td>3 cylinders, 1 will be in use, 1 spare + bagging cylinder</td>
</tr>
<tr>
<td>Information booklet</td>
</tr>
<tr>
<td>Charging information</td>
</tr>
<tr>
<td>Cylinder meter readings, + and - symbols</td>
</tr>
<tr>
<td>Location of machines</td>
</tr>
<tr>
<td>Spares inside door</td>
</tr>
<tr>
<td>Switching device on</td>
</tr>
<tr>
<td>Explanation of why purge of the system is required</td>
</tr>
<tr>
<td>Purge Assembly</td>
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</table>

**Purge process**

- Switch both large cylinders on and then off
- Note the cylinder with the lowest pressure
- Set NO to 40ppm
- Connect purge assembly to oxygen and turn up to > 15LPM
- Wait for delivery failure error message
- Turn off oxygen and set NO to 0

**Setting up for connection to patient**

- Adult, universal and oscillator tubing setups
- Info / diagrams in booklet
- Position of injector module - arrow indicator
- Importance of one way valve
- Sample line connector
- Starting therapy - use cylinder with lowest pressure

**Changing to a new Cylinder**

- Replacing a cylinder

**Bagging Cylinder setup**

- Flow meters
- Bagging chart
- Replacing Bagging Cylinder

**Faultfinding**

- Watertrap
- Water in sample line
- Incorrect setup.
- leaking O-rings

**Replacing a cylinder**

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