## Product Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Dimension</td>
<td>4.25 W x 2.28 H x 1.5 D (in), 108 W x 58 H x 40 D (mm)</td>
</tr>
<tr>
<td>Product Weight</td>
<td>6.14 oz, 174 g</td>
</tr>
<tr>
<td>Pump Mechanism</td>
<td>Linear Peristaltic</td>
</tr>
<tr>
<td>Operating Mode</td>
<td>Basal Infusion mode, PCA mode, Programmed Intermittent Bolus mode (PIB)</td>
</tr>
<tr>
<td>Max. Infusion Pressure</td>
<td>30 psi</td>
</tr>
<tr>
<td>Max. Time to Occlusion</td>
<td>20 minutes</td>
</tr>
<tr>
<td>Alarm Flow Rate</td>
<td>Basal rate: 0 to 14 mL/hr</td>
</tr>
<tr>
<td>Alarm Bolus Infusion Rate</td>
<td>210 mL/hr</td>
</tr>
<tr>
<td>Alarm Delay Start</td>
<td>Range 0 to 24 hours</td>
</tr>
<tr>
<td>Alarm VTBI</td>
<td>1 to 1500 mL by 0.1 mL increment (single infusion VTBI maximum value is limited by remaining pump lifetime VTBI)</td>
</tr>
<tr>
<td>Alarm Rate</td>
<td>0.1 mL/h to 250 mL/h</td>
</tr>
<tr>
<td>Alarm Flow Rate Accuracy</td>
<td>+/- 5%</td>
</tr>
<tr>
<td>Battery Life</td>
<td>240 h or 1500 mL of volume infused</td>
</tr>
<tr>
<td>Alarms</td>
<td>Cassette Loading Error, Upstream Occlusion, Downstream Occlusion, Pump Unattended, Infusion Complete, Battery Depleted, Infusion Parameter, Pump End-of-Life, System Error, Firmware Error</td>
</tr>
<tr>
<td>Warnings</td>
<td>Keypad Locked/Unlocked, Bolus Lock-out, Infusion Complete, Battery Low, Approaching End-of-Life</td>
</tr>
<tr>
<td>Administration Set Options</td>
<td>Bag spike, Set-based, free-flow Protection, Slide clamp, NFRFit connector</td>
</tr>
<tr>
<td>Optional Accessories</td>
<td>Carrying pouch for pump, Remote bolus cord</td>
</tr>
<tr>
<td>Environmental Conditions</td>
<td>Operating Temperature: 5 to 40 °C, Storage / Transportation: -25 to 70 °C, Relative Humidity: 15% to 95%, non-condensing, Atmospheric Pressure: 70 kPa to 106 kPa</td>
</tr>
</tbody>
</table>

Nimbus® PainPRO is a registered trademark of Infutronix LLC.

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### NIMBUS® PainPRO
**POST OP INFUSION SYSTEM**

#### QUICK SETUP
- Up to 12 CUSTOMIZABLE protocol presets
- PIB + PCA DEMAND BOLUS + CONTINUOUS RATE
  - Three infusion modes in any combination in each protocol
- AVOID PUMP PRE-FILLING HASSLE & EXPENSE
  - Infuse from any vendor’s IV medication bag

#### Flexible Infusion Protocols

#### Accurate
- to ±5% infusion rate

#### Green
- Pre-paid shipping label(s) for pump recycling

#### Designed with the Patient in Mind

- **NIMBUS® PainPRO**
  - Post OP Infusion System
  - ACCURATE to ±5% infusion rate
  - GREEN Pre-paid shipping label(s) for pump recycling

- **Delay Start**
  - Option for a comfortable transition home
  - Schedule infusion start for when the surgical block is wearing off

- **Informative Display Screen**
  - Situational Awareness for All Operators

- **Programmed Intermittent Bolus Mode (PIB)**
  - Could result in the patient requiring less post-op opioids compared to continuous infusions\(^{13}\)
  - Extends the duration of analgesia without needing a larger reservoir of anesthetic\(^{14}\)
  - May be particularly USEFUL FOR FASCIAL PLANE BLOCKS LIKE ESP due to enhanced spread of anesthetic\(^{3}\)

- **VTBI**
  - What’s remaining to be infused

- **VINF**
  - What’s been infused

- **Next DB**
  - When the next patient Demand Bolus (if programmed) is available

- **Shift Totals**
  - Nursing can view and clear data without pausing pump

#### Informed
- When possible, use upper and lower hard limits and employ the bolus feature with hard limits to avoid catastrophic doses being administered.\(^{6}\)

#### Delay Start
- The Delay Start feature provides flexibility to start the pump after the patient is discharged home.

#### Complies with Institute for Safe Medication Practices (ISMP)
- Recommendations for separate hard limits for bolus and continuous rate infusion modes.\(^{5}\)

#### Designed with the Patient in Mind
- Complies with Institute for Safe Medication Practices (ISMP) recommendations for separate hard limits for bolus and continuous rate infusion modes.\(^{5}\)

#### When possible, use upper and lower hard limits and employ the bolus feature with hard limits to avoid catastrophic doses being administered.\(^{6}\)

#### Informative Display Screen
- Situational Awareness for All Operators

#### NIMBUS® PainPRO pump lets everyone know what it has done and what it has left to do.

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