



# The ambIT<sup>®</sup> range of infusion pumps

Your advanced choice for  
safe<sup>1</sup> and effective<sup>2</sup> pain management  
and infusion therapy<sup>3</sup>



**BTC health.**

# Your advanced choice for safe<sup>1</sup> and effective<sup>2</sup> pain management and infusion therapy<sup>3</sup>

Powered by electronic technology, the ambIT<sup>®</sup> range of ambulatory infusion pumps are light weight, portable, safe,<sup>1</sup> easy-to-use and accurate devices that help patients resume their normal activities while keeping them pain-free.<sup>2</sup>

- Continuous or intermittent solution delivery by means of easy-to-program interfaces<sup>3</sup>
- Multiple programming and alarm functions<sup>3</sup>
- Versatile: available in a range of options to tailor for patients' needs across different clinical applications and settings<sup>3</sup>
- Fully rebatable on the prostheses list



**PIB-PCA**  
single use

**PIB-PCA**  
reusable

**PCA**  
reusable

**PreSet PCRA\***  
single use

**Continuous**  
reusable

Prostheses Rebate Codes:  
FX003 (Luer Lock Cassette)  
FX004 (Spike Cassette)

Prostheses Rebate Code:  
FX002

Prostheses Rebate Code:  
FX002

Prostheses Rebate Codes:  
FX003 (Luer Lock Cassette)  
FX004 (Spike Cassette)

Prostheses Rebate Code:  
FX002



## ambIT® PIB·PCA infusion pumps

**ambIT® PIB·PCA is designed to meet patients' needs by combining features of PCA and intermittent systems into a single pump**

- **3 unique programs**

- **PCA** (Patient Controlled Analgesia) with continuous rate and optional patient-controlled bolus
- **PIB** (Programmable Intermittent Bolus) with regularly occurring programmed doses
- **PIB·PCA** (Combined PIB and PCA) with regularly occurring doses and patient controlled bolus options
- **Available in single use and reusable options**

### **Clinical applications**

- Continuous regional nerve blocks
- Intermittent bolus nerve blocks
- Surgical site infusions
- Intravenous PCA
- Epidural PCA
- Regional Nerve Blocks
- Surgical Site Infusions



## ambIT<sup>®</sup> PCA

- Reusable pump
- Volumetric accuracy of  $\pm 6\%$
- Basal rate, basal + patient controlled bolus or bolus only profiles
- Basal flow rates from 0-20mL/hr
- Patient controlled bolus volume from 0-20ml
- Bolus lockout times from 5 minutes to 12 hours
- Flexibility to modify profiles
- Small, lightweight and portable
- History and infusion reports available
- Audible alarms

### Clinical applications

- Intravenous PCA
- Epidural PCA
- Regional Nerve Blocks
- Surgical Site Infusions



## ambIT® Continuous ambulatory infusion pump

**ambIT® Continuous provides a simple solution for continuous infusions**

- Small and lightweight
- Volumetric accuracy of  $\pm 6\%$
- Easy to use
- Digital LCD screen

### **Clinical applications**

- Chemotherapy
- Anaesthesia
- Hydration
- Palliative care
- Antibiotics



## ambIT® PreSet PCRA

- Choice of 3 delivery profiles:
  - basal rate and bolus
  - basal rate only
  - bolus only
- Bolus lockout period
- Program can be adjusted during treatment
- Four preset and one individualised programs
- History reports

### **Clinical applications**

- Continuous regional nerve blocks
- Surgical site infusions
- Epidural infusions
- IV PCA
- Sub-cutaneous

# The ambIT<sup>®</sup> pump

An advanced choice for safe<sup>1</sup> and effective<sup>2</sup> pain management and infusion therapy<sup>3</sup>

The ambIT<sup>®</sup> range of pumps is fully rebatable on the prostheses list



Features	ambIT <sup>®</sup> Pumps	Elastomeric Pumps
<b>Technology</b>	✓ <ul style="list-style-type: none"> <li>Electronic technology that provides continuous or intermittent delivery of solutions</li> <li>Provides multiple programming capabilities and alarming function</li> </ul>	✗ <ul style="list-style-type: none"> <li>Basic technology: Fluid is held in a stretchable balloon reservoir, and pressure from the elastic walls of the balloon drives fluid delivery. No user alert features.</li> </ul>
<b>Flow accuracy</b>	✓ <ul style="list-style-type: none"> <li>Volumetric accuracy: ± 6% accuracy<sup>3</sup></li> </ul>	✗ <ul style="list-style-type: none"> <li>Volumetric accuracy: ± 15%<sup>4</sup></li> <li>flow rate can be affected by a range of factors including variation in temperature, pump height, viscosity, filling volume and storage conditions<sup>5</sup></li> </ul>
<b>In-built safety features</b>	✓ <ul style="list-style-type: none"> <li>Visual and audible safety alerts:                             <ul style="list-style-type: none"> <li>Alarm when pump is occluded<sup>3</sup></li> <li>ambIT<sup>®</sup> LED screen and programmes can be locked<sup>3</sup></li> </ul> </li> </ul>	✗ <ul style="list-style-type: none"> <li>No alarm functions</li> <li>No observer alert features:                             <ul style="list-style-type: none"> <li>no alert to indicate if pump is working properly</li> <li>no signal to indicate if there is occlusion</li> </ul> </li> </ul>
<b>Light weight</b>	✓	✓
<b>Reusability</b>	✓ <ul style="list-style-type: none"> <li>Reusable ambIT<sup>®</sup> pump options available<sup>3</sup></li> </ul>	✗ <ul style="list-style-type: none"> <li>Not reusable, single use only</li> </ul>
<b>Convenience of use</b>	✓ <ul style="list-style-type: none"> <li>No need to decant, simply spike a flask and prime<sup>3</sup></li> <li>Saves time to prepare on sterile fields<sup>3</sup></li> </ul>	✗ <ul style="list-style-type: none"> <li>Time consuming and difficult to prepare</li> </ul>
<b>Ability to customise</b>	✓ <ul style="list-style-type: none"> <li>Flexibility of dosage and delivery that allows pain management to be personalised to meet all types of patient needs<sup>3</sup></li> <li>Adjustable settings with ability to fine-tune across multiple parameters: Basal rate: 0.1 to 20 mL/hr, bolus 0 to 50 mls, lockout 0.01 min to 24.00 hours in 1 min increments, volume range: 0 to 1000 ml<sup>3</sup></li> </ul>	✗ <ul style="list-style-type: none"> <li>Limited programming flexibility<sup>4</sup></li> </ul>

## ambIT® range of pumps and accessories

The ambIT® PIB-PCA infusion pump and accessories may be fully rebatable on the Prostheses list depending on the hospital setting.

Product description	Order code
ambIT® Continuous pump (reusable) - prostheses list	374790*
ambIT® PCA pump (reusable) - prostheses list	374795*
ambIT® PIB-PCA pump (reusable) - prostheses list	374780*
ambIT® PIB-PCA pump single use kit with spike cassette	374575
ambIT® PreSet pump kit with spike cassette AUS	374580
ambIT® PreSet pump kit with spike cassette NZ	374585
ambIT® Cassette, filter, spike	374590
ambIT® Cassette, filter, spike with yellow tubing	374670
ambIT® Cassette, luer lock for use with medibag	374595
ambIT® Cassette – filter, neuraxial spike yellow	374690
ambIT® PIB-PCA pain control system, pump single use kit - with 127 mm fenestrated catheter	374560
ambIT® PIB-PCA pain control system, pump single use kit - with 254 mm fenestrated catheter	374565
ambIT® PIB-PCA pain control system, pump single use kit - with 76 mm fenestrated catheter	374570
ambIT® PreSet pump kit - with 127 mm fenestrated catheter	374545
ambIT® PreSet pump kit - with 254 mm fenestrated catheter	374550
ambIT® PreSet pump kit - with 76 mm fenestrated catheter	374555
ambIT® Uni-flow 76 x 914 mm fenestrated catheter 19G x 36"	374635
ambIT® Uni-flow 254 x 914 mm fenestrated catheter 19G x 36"	374705
ambIT® Medibag 420 mL	374615
ambIT® PCA pump remote bolus switch	374685
ambIT® run/pause button illuminator with button access	374640
ambIT® run/pause button guard with button access	374755
ambIT® replacement battery cap	374620
Lock box with keys	374675
ambIT® pump carrying pouch	374625

\*Please contact your BTC Health representative for a comprehensive ambIT® product list applicable for public hospitals.

**References:** 1. Fredrickson M.J., Leightley P. et al. An analysis of 1505 consecutive patients receiving continuous interscalene analgesia at home: a multicentre prospective safety study. *Anaesthesia*. 2016 Apr;71(4):373-9. doi: 10.1111/anae.13385. Epub 2016 Feb 5. 2. Sztain J.F., Machi A. T. et al. Continuous adductor canal vs continuous femoral nerve blocks. Relative effects on discharge readiness following unicompartment knee arthroplasty. *Reg Anesth Pain Med* 2015; 40 (5): 1-9. 3. ambIT® Pump Clinician Manual. version 63076.05 (05/19) 4. Grissinger M. Improved safety needed in handling elastomeric reservoir balls used for pain relief. *P&T*. May 2013; Vol 38 No 5: 243 - 245 5. Mohseni M. & Ebneshahidi A. The flow rate accuracy of elastomeric infusion pumps after repeated filling. *Anesthesiology and Pain Medicine* 2014; 4(2). e14989. Published online: DOI:10.5812/aapm.14989

**BTC health.**

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