Pressure Infusers
Disposable (Single Patient Use)
Nationally Contracted Products (NCP) Customer Report

NHS Supply Chain: Ward Based Consumables
NCP Pressure Infusers (Disposable Single Patient Use)

Pressure infusers are designed to pressurise or deflate with ease and provide rapid administration of intravenous fluids. Departments that may buy these products include Accident and Emergency, Intensive Care Unit, High Dependency Units and Theatres.

<table>
<thead>
<tr>
<th>NPC Code(s)</th>
<th>MPC Code(s)</th>
<th>Size(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFF939</td>
<td>ZIT-500</td>
<td>Disposable Pressure Infuser 500ml</td>
<td>500ml disposable pressure infuser with stopcock valve – to pressurise fluids from container systems of 500ml. Length 18cm +/- 20% width 13cm +/- 20% diameter 25.5cm +/- 20% and 1-pint blood bag</td>
</tr>
<tr>
<td>FFF940</td>
<td>ZIT-1000</td>
<td>Disposable Pressure Infuser 1000ml</td>
<td>1000ml disposable pressure infuser with stopcock valve – to pressurise fluids from container systems of 1000ml – and to pressurise fluids from container systems of 500ml length 27cm +/- 20% width 11.5cm +/- 20% diameter 23cm +/- 20%</td>
</tr>
<tr>
<td>FFF941</td>
<td>ZIT-3000</td>
<td>Disposable Pressure Infuser 3000ml</td>
<td>3000ml disposable pressure infuser with stopcock valve – to pressurise fluids from container systems of 3000ml</td>
</tr>
<tr>
<td><strong>Indication(s) for use:</strong></td>
<td>Designed to be used with all 500ml, 1000ml and 3000ml fluid bags and blood bags</td>
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<tr>
<td><strong>User instructions:</strong></td>
<td>As attached</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Supplier:</strong></td>
<td>Blue Box Medical Ltd</td>
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<tr>
<td><strong>Sustainability:</strong></td>
<td>Blue Box Medical Limited in partnership with the manufacturer of the infuser range of pressure infuser bags Salter Labs, are constantly working to improve product design, manufacturing processes to reduce waste, packaging size, carbon footprint and the environmental impact.</td>
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<td></td>
<td>Salter Labs are an International manufacturer meeting all ethical standards of the Labour Standards Assurance System.</td>
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</tr>
<tr>
<td></td>
<td>Blue Box Medical Limited continually assess and monitor all suppliers to ensure that they meet current ethical standards.</td>
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<tr>
<td></td>
<td>With a relatively short supply chain Blue Box Medical and Salter labs have an excellent supply record, with continuity of supply processes in place. Reserve stock is held in Texas, USA and a Blue Box Limited warehouse in Southampton, UK.</td>
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</tbody>
</table>
Features and Clinical Benefits

- Clear pressure infuser sleeve enables users to view pressurised fluids and text on bag.
- Pressure infuser allows one handed inflation into safe pressure range (green band).
- The pressure infusers maintain an end of line pressure of 200mmHg for a minimum of 30 minutes on a 500ml fluid container containing 150ml, 350ml and 500ml of fluid.
- These devices maintain a consistent pressure across the 500ml whole bag for 6 hours when attached/connected to the patient but not flushing.
- Durable construction will not rip or tear.
- Sturdy loop hanger makes it easier to locate onto IV poles regardless of height.
- IV fluid bag hook is designed to fit all standard bags and accommodate the new generation of wider solution bags.
- Smooth cuff material offers wipe clean surface.
- Available with stopcock.

Blue Box Medical who offer a higher priced clinically acceptable product have been awarded sole supplier. Throughout the NCP programme on-going customer feedback supported by extensive clinical collaboration work led to the evolution of the product specification. A new output-based performance specification was developed, to ensure the products selected are suitable for use in all clinical environments and applications. The specification was supported by defined clinical criteria identified through the engagement process. Submitted products undertook rigorous internal and external clinical product evaluation to ensure that they complied with the specification and perform consistently in situ in all clinical environments and applications.

This work has resulted in clinically acceptable products. There are significantly different sized fluid bags in the market which impact on the performance of the pressure infuser when in use. In order to address this, the output-based performance specification and testing methodology was developed. The awarded products identify the sizes of fluid bag most suitable for use with each pressure infuser.
Compatibility

Designed to be used with all 500ml, 1000ml and 3000ml fluid bags and blood bags.

- 500ml disposable pressure infuser with stopcock valve – to pressurise fluids from container systems of 500ml. Length 18cm +/- 20% width 13cm +/- 20% diameter 25.5cm +/- 20% and 1-pint blood bag
- 1000ml disposable pressure infuser with stopcock valve – to pressurise fluids from container systems of 1000ml – and to pressurise fluids from container systems of 500ml length 27cm +/- 20% width 11.5cm +/- 20% diameter 23cm +/- 20%
- 3000ml disposable pressure infuser with stopcock valve – to pressurise fluids from container systems of 3000ml.

Evaluated by

- Clinical Collaboration Team NHS Supply Chain
- Surgical Materials Testing Laboratory (SMTL)

Clinical Collaboration Team clinical process reviewed by

- Wythenshawe Hospital
- Saint Mary’s Hospital
- Manchester Royal Infirmary
- Greater Manchester
- Trafford General Hospital
- Royal Manchester Children’s Hospital
- Manchester Foundation Trust

The hospitals listed above are all part of the Manchester University NHS Foundation Trust (MFT).
Availability

<table>
<thead>
<tr>
<th>Date available:</th>
<th>30 March 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit(s) of issue:</td>
<td>See Product Listing, on our website for NCP Pressure Infusers Lot 1 (Disposable Single Patient Use)</td>
</tr>
<tr>
<td>Regional / national availability:</td>
<td>National Stocked Product</td>
</tr>
</tbody>
</table>

Product example(s) availability:
Examples of the new product can be made available, on request for the purposes of viewing the product that will be available to order. Please note this is an ‘example’ not a ‘sample’. The product and specification have been assured and clinically evaluated by internal and external evaluation teams and customer representatives from the NHS.

Please contact your Clinical Nurse Advisor (CNA) with the clinical rationale for the example requirement, your CNA will then liaise with the customer support team to provide the example.

Associated delists: See Delisted Products on NCP Pressure Infusers Lot 1 (Disposable Single Patient Use)

All NHS Supply Chain Nationally Contracted Products undergo a rigorous programme of stakeholder evaluation using the Clinical and Product Assurance (CaPA) Framework, ensuring that products are safe, fit for purpose, value for money, and where possible, innovative.

To find out more information about the CaPA Framework please visit our website.

Further Questions?
If you have any questions regarding the Clinical and Product Assurance (CaPA) Framework, please contact capa@supplychain.nhs.uk.

If you have any questions regarding the NCP product(s) or this NCP Customer Report, please contact CustomerServiceQueries_CategoryTower1@supplychain.nhs.uk.