

STERILE INFUSION THERAPY DEVICES





"The design of the needle-free connectors helps prevent biofilm formation and fibrin adhesion, which are the preconditions for catheter-related bloodstream infections risk. These devices are used to connect catheters, administration sets, and/or syringes to deliver IV therapy."

Macklin, Denise, May 2010

Catheter Management, Seminars in Oncology Nursing, Vol 26, No 2 (May), 2010: pp 113-120.

Clear Transparent Housing

"Flushing needle-free connectors is critically important because it is the method by which blood or other contaminating infusates is removed from the needle-free connectors. Therefore, the ability to visualise the internal surfaces of the needle-free connector helps the clinician determine if flushing of the needle-free connector is complete."

Jarvis, William R., July 29, 2010

Choosing the Best Design for Intravenous Needleless Connectors to Prevent Bloodstream Infections, Infection Control Today.

Minimal Residual Volume

"Needle-free connectors which have straight fluid pathways helps to reduce catheter occlusions and catheter-related bloodstream in the clinical setting. Needle-free connectors with little or no dead space in the fluid pathway minimise the surfaces that infusates can contaminate and where biofilm can develop."

Macklin, Denise, May 2010

Catheter Management, Seminars in Oncology Nursing, Vol 26, No 2 (May), 2010: pp 113-120.

Product Data

A1010N, A1010N-PH*

| Product name | Needle-free Connector, Neutral |
|---|--------------------------------|
| Priming Volume (mL) | 0.04 |
| Displacement (mL) | <0.01 (neutral) |
| Flow Rate (mL/min @ 1m water head pressure) | 160 |
| Flushing Volume (mL) | 0.2 |
| Length (cm) | 2.5 |

* To be used for the administration of light sensitive drugs

Labelling and Packaging

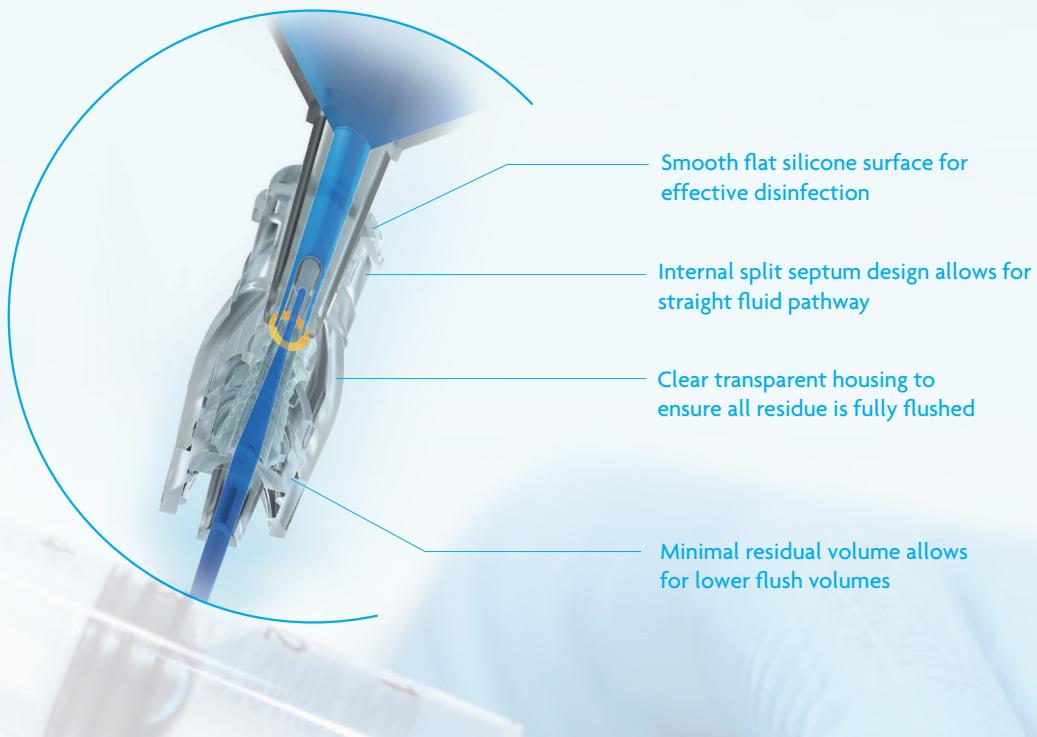
Each unit is labelled on its blister and packaging container. Each container is labelled with the following traceability information: quantity, product description, product date, lot number.

| Characteristic | Specification | | | |
|------------------------|---------------|------------|-------------|-------------|
| Container type | Height (cm) | Width (cm) | Length (cm) | Weight (kg) |
| Unit Pack (1 unit) | 1.0 | 8.0 | 5.0 | 0.027 |
| Shelf Pack (250 units) | 23.0 | 20.0 | 16.0 | 0.8 |
| Case Pack (2500 units) | 25.0 | 43.0 | 84.0 | 10 |

Features

NeutrArt® is a single-use, disposable connector intended for use with a vascular access device for administration of fluids during IV therapy.

The product is a needle-free connector with an integrated silicone seal that protects the patient and healthcare staff from needlestick accidents during intravenous therapy by minimising needle usage.



Proven to be used up to 7 days



Compatible with TPN solutions, blood and oncology drugs



Allows multiple accesses



ISO 80369-7 compatible



Shelf Life 5 Years

| Materials | Valve Body | Swabable Septum |
|----------------------|-------------|-----------------|
| latex-free, PVC-free | Copolyester | Silicone |

**A1010N**

NeutrArt® Needle-free Valve Neutral

| Priming Volume | Length | Flow Rate |
|----------------|--------|------------|
| 0.04 ml | 2.5 cm | 160 ml/min |

**A1010N-PH**

NeutrArt® Needle-free Valve Neutral, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|------------|
| 0.04 ml | 2.5 cm | 160 ml/min |

**AU1010N**

NeutrArt® Needle-free Valve Neutral with Extension Line

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.19 ml | 10 cm | 70 ml/min |

**AU1010N-PH**

NeutrArt® Needle-free Valve Neutral with Extension Line, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.19 ml | 10 cm | 70 ml/min |

**AUWB1010N**

NeutrArt® Needle-free Valve With 4.0 mm OD Extension Line

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.46 ml | 10 cm | 90 ml/min |

**AUWB1010N-PH**

NeutrArt® Needle-free Valve With 4.0 mm OD Extension Line, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.46 ml | 10 cm | 91 ml/min |

**A2010N**

NeutrArt® Double Lumen Needlefree Valve Neutral

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.42 ml | 10 cm | 70 ml/min |

**A2010N-PH**

NeutrArt® Double Lumen Needlefree Valve Neutral, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.42 ml | 10 cm | 70 ml/min |

**A3010N**

NeutrArt® Triple Lumen Needle-free Valve Neutral

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.57 ml | 10 cm | 70 ml/min |

**A3010N-PH**

NeutrArt® Triple Lumen Needle-free Valve Neutral, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.57 ml | 10 cm | 70 ml/min |

**AU1010NWOR**

NeutrArt® Needle-free Valve Neutral with Extension Line, Luer Slip

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.19 ml | 10 cm | 70 ml/min |

**AU1010NWOR-PH**

NeutrArt® Needle-free Valve Neutral with Extension Line, Luer Slip, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.19 ml | 10 cm | 70 ml/min |

**A2010NWOR**

NeutrArt® Double Lumen Needle-free Valve Neutral, Luer Slip

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.42 ml | 10 cm | 70 ml/min |

**A2010NWOR-PH**

NeutrArt® Double Lumen Needlefree Valve Neutral, Luer Slip, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.42 ml | 10 cm | 70 ml/min |

**A3010NWOR**

NeutrArt® Triple Lumen Needle-free Valve Neutral, Luer Slip

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.57 ml | 10 cm | 70 ml/min |

**A3010NWOR-PH**

NeutrArt® Triple Lumen Needlefree Valve Neutral, Luer Slip, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|--------|-----------|
| 0.57 ml | 10 cm | 70 ml/min |

**ATU3010N**

NeutrArt® Needle-free Valve with Three Way Stopcock, Neutral

| Priming Volume | Length | Flow Rate |
|----------------|---------|-----------|
| 0.48 ml | 16.5 cm | 60 ml/min |

**ATU3010N-PH**

NeutrArt® Needle-free Valve with Three Way Stopcock, Photoprotective

| Priming Volume | Length | Flow Rate |
|----------------|---------|-----------|
| 0.48 ml | 16.5 cm | 60 ml/min |