

# 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

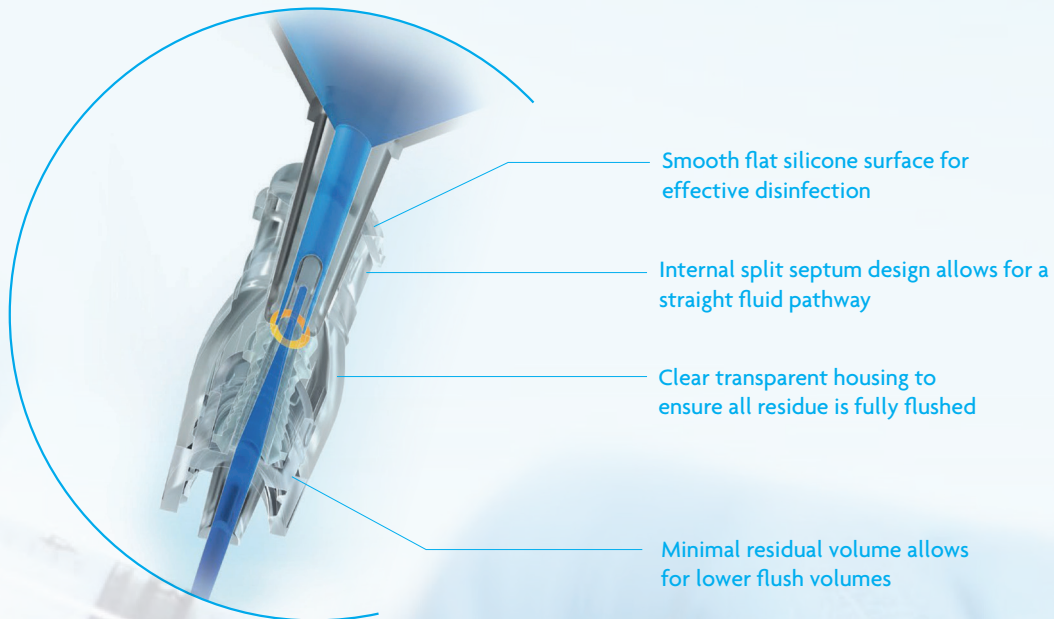
Each unit is labelled on its blister and packaging container. Each container is labelled with the following traceability information: quantity, product description, product date, lot number.

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

#### AU1010N

NeutrArt® Needle-free Valve Neutral with Extension Line

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

#### A2010N

NeutrArt® Double Lumen Needlefree Valve Neutral

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

#### AU1010NWOR

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

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

#### A3010NWOR

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

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



#### A1010N-PH

NeutrArt® Needle-free Valve Neutral, Photoprotective

Priming Volume	Length	Flow Rate
0.04 ml	2.5 cm	160 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-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-PH

NeutrArt® Double Lumen Needlefree Valve Neutral, Photoprotective

Priming Volume	Length	Flow Rate
0.42 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-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-PH

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

Priming Volume	Length	Flow Rate
0.42 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



Caring for Life since 1829

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**NeutrArt®**  
Sterile Infusion Therapy Devices

**asset** *design the future*