Needlefree IV Connector Technology

Chosen by clinicians and infection control professionals more than twice as often as any other

Neutron®
Needlefree Catheter Patency Device

NanoClave®
Low Profile Neutral Displacement Connector

MicroClave® Clear
Neutral Displacement Connector
Clear housing
permits visual confirmation of flush
after use with medications or blood.

Straight fluid path
for clearing blood and blood
residual with low flush volumes.8

Minimal residual volume
(also referred to as priming volume)
allows for lower flush volumes.

Split-septum
a preferred design
feature for connectors.7

The patented technology in our complete line of needlefree IV connectors has been clinically proven to provide an effective barrier against bacterial transfer and colonization, helping you keep your patients safer from bloodstream infections.1,2

Common features of the line include:

› A single clinical protocol used with all patient populations, minimizing clinical training and in-servicing and providing maximum patient safety throughout the hospital.

› Highly efficient flushing ability, helping you to completely clear the connectors of blood and blood components with minimal flush volumes.

› A mechanically and microbiologically closed system, providing a safe and effective microbial barrier to help keep your patients safer from bloodstream infections.

› Industry preferred needlefree connector technology that has been chosen by clinicians and infection control professionals more than twice as often as any other.3

Neutron®
Needlefree Catheter Patency Device
Lower costs and enhance patient care by preventing blood reflux and reducing central line occlusions.

NanoClave®
Low Profile Neutral Displacement Connector
Keep your delicate neonatal and pediatric patients safe while effectively managing their fluids.

MicroClave® Clear
Neutral Displacement Connector
Visualize connector flushing after blood draws or administration and lower the risk of bloodstream infections.

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Reducing catheter occlusions with the Neutron catheter patency device may provide real-time clinical benefits.

Neutron: Better by Design

Because of an innovative design that incorporates a patented bi-directional silicone valve to help prevent reflux at all times, Neutron helps maintain catheter patency during times when traditional connectors have been shown to occlude most often.

 Unlike other anti-reflux valves, Neutron’s patented technology provides the unique ability to absorb and physically compensate for pressure variations that typically result in blood reflux into a catheter.

Reducing catheter occlusions with the Neutron catheter patency device may provide real-time clinical benefits.

Avoid Delays in Critical Patient Care
Neutron may help avoid delays in therapy of critical intravenous medications (e.g., antibiotics and oncolytics), nutritional support, and blood products.

Avoid Patient Discomfort and Pain
Neutron may help avoid patient discomfort and pain caused by unnecessary needlesticks, catheter restarts, and manipulating the IV site.

Avoid Unnecessary Costs
Neutron may help minimize unnecessary costs that add up when treating an occlusion.

Help Reduce Risk of Infection
Neutron may help reduce the risk of infection by preventing thrombosis and minimizing IV line manipulation.

The Neutron Catheter Patency Device Reduces Reflux to Help You

Minimize Occlusions

Maintaining catheter patency and minimizing occlusions can be important steps in your efforts to enhance patient safety, improve patient outcomes, and reduce costs.

But despite your efforts, central line occlusions, which are frequently caused by blood reflux, remain a significant issue that can result in delays in critical patient care, increased risk of infection, and increased healthcare costs. That’s why reducing the risk of catheter occlusions may help you decrease the need for expensive declotting agents such as tPA, and reduce the clinical costs associated with managing catheter occlusions.

Neutron’s breakthrough anti-reflux technology helps you stop occlusions before they start, while providing a safe and effective microbial barrier.

Unlike other technologies, such as positive displacement needlefree connectors, Neutron is the only device FDA-cleared to prevent all forms of reflux into a catheter and is the first device to be cleared for all patient populations—including pediatrics and immunocompromised patients.
The perfect choice for your delicate neonatal and pediatric patients

NanoClave Low Profile Neutral Displacement Connector

Keeping Your Tiniest Patients Safe From Infection while effectively managing their fluids.

Preventing infections and managing patient fluids are critical elements of neonatal infusion therapy. And NanoClave is here to help.

NanoClave is specifically designed to help keep your neonatal and pediatric patients safe by minimizing flush volumes and providing a safe and effective microbial barrier.

- Minimizes patient discomfort with small size and weight
- Minimal residual volume of only 0.02 mL allows for lower flush volumes
- Utilizes proven infection control technology

MicroClave Clear Neutral Displacement Connector

The Clear Choice to Help You Visualize Flushing and reduce the risk of bloodstream infection.

Ideal for a wide range of clinical applications and patient populations, MicroClave Clear is the optimal facility-wide needlefree IV connector.

MicroClave Clear combines proven Clave® technology with a clear housing that lets you visualize connector flushing after blood draws or administration.

- Does not require a change in clinical practice or technique
- Can be used on all peripheral, arterial, and central venous catheters
- Permits visual confirmation of connector flushing
- Utilizes proven infection control technology

Visualize connector flushing while reducing the risk of hospital-acquired bloodstream infections at the same time.
Clinicians Around the World Choose ICU Medical Needlefree Connectors More than Any Other.

We have been developing innovative connector technologies that improve patient and caregiver safety while helping you improve outcomes for more than 30 years. From the original Clave connector to the revolutionary Neutron Catheter Patency Device, connectors incorporating the foundational split-septum and internal blunt cannula technology from ICU Medical are chosen twice as often as any other connector technology.10,11

Make the most of our clinically preferred needlefree technology with made-to-order custom IV sets with no long-term contracts or minimum order requirements.

Our low-cost, custom IV set program allows facilities to maximize efficiencies by:

- Avoiding burdensome assembly of multiple sets and unnecessary storage of extra components
- Designing patient-ready IV sets by choosing from thousands of clinically proven component options
- Customizing sets with color-coded IV components and accessories to improve IV line management and avoid medication mix-ups

Learn how we can help you find the right needlefree connector to meet your unique clinical needs by calling 800.824.7890 or by visiting www.icumed.com/therightconnector.

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