Positive displacement technology that provides an effective microbial barrier.

CLC2000®
Positive Displacement Connector

Closed positive displacement needlefree technology designed to help you reduce the risk of infection.
The CLC2000 helps maintain central line catheter patency by generating positive fluid displacement upon disconnection of a luer. This automatic positive fluid displacement helps reduce blood reflux, and reducing blood reflux has been clinically shown to help reduce occlusions.

Clinical Benefits:

- Proven to help reduce catheter occlusions by reducing reflux upon disconnection of a luer.¹
- Saline flush option allows you to reduce risks, costs, and time associated with Heparin use.²
- Avoid unnecessary costs associated with treating catheter occlusions.³⁻⁷
- Closed system helps reduce the risk of infection.

The problem – Blood Reflux

One important cause of catheter occlusion is blood reflux, or the back flow of blood into a catheter lumen.¹ Blood reflux can occur upon disconnection of an infusion device. This blood reflux can result in the formation of an intraluminal thrombotic occlusion, which can lead to delays in patient care, increased risk of infection, and increased healthcare costs.

The solution – CLC2000

When the CLC2000 is disconnected from an infusion device, the connector automatically provides 0.035 mL of positive fluid displacement. This is guaranteed to displace 100% of potential blood reflux upon disconnection of a luer.

How it Works:

1. When the CLC2000 is not being accessed, the poppet valve forms a safe, swabbable barrier to bacterial ingress.
2. When the CLC2000 is accessed, fluid from the syringe or infusion device fills the cylindrical chamber in the lower “T” portion of the connector.
3. When the accessing luer is removed, the upper O-ring seals off the fluid path and lower O-ring moves the fluid from the reservoir chamber out through the catheter.

5. Pancallo S. Preventing PICC and Midline Occlusion with the CLC2000