

## Neutron<sup>®</sup> Needlefree Catheter Patency Device for Use on Various Types of Vascular Access Devices

The Neutron device is FDA cleared {510(k)100434} for use as an accessory to an intravenous system, including any vascular access device with peripheral, central, or arterial placement in all patient populations. The Neutron device is a unique neutral displacement needlefree connector designed to eliminate the backflow of blood in the catheter lumen at all times including upon disconnection of the flush device, and is appropriate for both continuous and intermittent therapies.

The Neutron device is designed to be used with most known flush procedures and, in all cases, standard care procedures should be applied in accordance with facility protocols. For centrally placed catheters, ICU Medical also recommends a saline flush protocol for use with CVC and PICC.

The Neutron device may be used on any vascular access device, including power injectable catheters, tunneled catheters, and implantable ports on a Huber extension set. This also includes valved catheters such as the Groshong<sup>®</sup>, PASV<sup>®</sup>, and PowerPICC<sup>®</sup> SOLO<sup>™</sup>, as the function of the Neutron device does not interfere with the catheter valve. When used on implantable ports, the most common protocol is to employ the saline flush while the port is accessed and then utilize the standard heparin lock for when the port is de-accessed for extended periods of time. The Neutron device should not be used on a line that is being used for pressure transducing. The internal bi-directional silicone valve in the Neutron device will interrupt the wave form and not allow for an accurate reading.

If there are further questions or concerns, please visit our website at [www.icumed.com](http://www.icumed.com) or contact the corporate offices at 949-366-2183 or 800-824-7890.

Technical Services  
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