

Reorder codes NE096E, NE096NYE

## Indications:

The Pall Nanodyne™ NEO Filter is an air eliminating filter with 0.2 µm Posidyne® membrane for up to 96 hours use with any administration set, for the removal of inadvertent particulate debris, microbial contaminants and their associated endotoxins, entrained air and the reduction of nano-sized particles\* which may be found in solutions intended for intravenous or subcutaneous administration. It is indicated for the reduction of infusion related thrombophlebitis, septic complications of infusion therapy and air embolism.

\*\* This product is safe for use with pressure infusion equipment, i.e. infusion pumps.

STERILE and non-pyrogenic fluid pathway.

## Contraindications:

This device cannot be used to administer cellular blood products, suspensions, emulsions, including micro emulsion vitamin preparations, or medications that are not fully dissolved in the fluid being administered.

The device should not be used to filter solutions that are known to be pyrogenic or contaminated with micro-organisms.

## Precautions: Follow instructions carefully.

Use aseptic technique.

Use aseptic technique. For single use; do not resterilise or reuse. Do not use if packaging is damaged or end protectors are loose or displaced.

Use a standard syringe for bolus injections via the needleless access Y-site. Always

swab the site with preferred disinfectant before use. Always flush the site before and after administration of medication. Do not inject into plastic tubing.

NE096NYE :- The total internal volume of the filter housing, needleless access site and ultra-microbore tubing is approximately 0.5 mL. The volume from the Y-site to the tubing outlet is approximately 0.06 mL.

NE096E:- The internal volume of the filter housing and ultra-microbore tubing is approximately 0.4 mL. This information may be useful when administering bolus injections.

The maximum recommended working pressure (P) is 200 kPa (1500 mmHg, 2 bar, approx 30 psi). When the working limits of

the filter are exceeded, the cause(s) of the added resistance contributing to the elevated working pressure should be investigated and corrected. When supplemental medication is introduced by bolus injection downstream of the IV filter, the filter clamp must be closed. Failure to close clamp may result in damage to the filter. When using syringes smaller than 10 mL for delivery of bolus injections upstream of the filter, care must be taken to avoid generating pressures that exceed the filter's maximum working pressure resulting in leakage.

The administration set clamp should be closed during solution container changes. It is recommended that this filter be changed at 96 hours to assure micro-organism and endotoxin retention.

When a pump is used on the primary line, position filter downstream of pump. It is recommended that the filter clamp periodically be repositioned to ensure proper flow rate delivery over the course of 96 hours.

## NOTE:

This product is free of natural rubber latex.

### Ordering Information

Reorder Code	Product Description	Packaging Units
NE096E	with female luer inlet, male luer outlet, ultra microbore tubing, 70 mm downstream extension, and slide clamp.	50 units per case
NE096NYE	with female luer inlet, male luer outlet, ultra microbore tubing, needle-less access Y-site 120 mm downstream extension and slide clamp.	50 units per case

\* Demonstrated in laboratory studies with nano-sized particles in clinically relevant drug preparations, nano-sized endotoxin particles and also in solutions containing commercially available nanoparticles of defined materials and sizes.

\*\* Publications on file.

**To Prime Filter**

- Attach administration set to solution container in normal way and obtain desired level in drip chamber. Remove protective cap from filter inlet. Do not remove protective cap from filter outlet connector.
- Insert administration set luer adaptor into filter tubing inlet with a twisting motion. Over tightening of the luer connection should be avoided. The inlet will accept standard male luer connections.



1 Hold filter and luer adaptor in upright position as shown, with plain (non ribbed) side facing.



2 Ensuring that the filter is vertical and below the level of the solution container, open clamp of administration set to prime set and filter.



3 During priming rotate filter to view the ribbed side.



4 Close administration set clamp. Verify that no air bubbles are present on patient (ribbed) side of filter and downstream tubing extension (if present). If air bubbles are observed, open administration set clamp slightly to re-establish flow then gently tap filter housing. Observe that no bubbles are present. Close administration set and filter clamp. Secure filter and extension and regulate flow in usual manner. Use downstream tubing clamp to shut off flow. This will prevent the filter from unintentional draining.

**TO USE NEEDLELESS ACCESS Y-SITE (NE096NVE)**


1. For delivery of lipid infusions. Swab site with preferred disinfectant prior to connecting lipid line. Avoid over tightening.
2. To administer bolus drugs where rapid delivery is required, drugs incompatible with the infusion fluid or medications or preparations that are contraindicated for administration through the filter. Close filter clamp. Swab Y-site with preferred disinfectant. Connect a standard syringe containing suitable flushing solution to Y-site using a clockwise twisting motion, avoiding over tightening. Flush line before and after delivery of bolus. Open filter clamp to re-establish flow.

\*Colors of components shown, except for filter housing, may vary.

**International Offices**

Pall Corporation has offices and plants throughout the world in locations such as: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, the United Kingdom, the United States and Venezuela. Distributors in all major industrial areas of the world.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

© 2020, Pall Europe. Pall, , Vivid, and Leukosorb are trademarks of Pall Corporation. ® indicates a registered trademark in the USA. Protect What Matters - Every Day is a service mark of Pall Corporation.

200428.3IEU  
05/2021