

## NxTM ECO TriMicron Element Series



### Description

The filter elements in the TriMicron series have been specially developed for the combined filtration of fine solid particle contamination, water and oil-ageing products from hydraulic and lubrication oils in the bypass flow.

They are a combination of pleated and SpunSpray depth filter elements. The filter layers are produced using melt-blown technology (synthetic fibers).

### Applications

- Offline filtration in lubrication systems (e.g. in wind turbines)
- Offline filtration in hydraulic systems
- Transmission and hydraulic test rigs

### Features and Benefits

- Excellent filtration performance ( $\beta_{5(c)} > 1000$ )
- Low initial differential pressure
- High contamination retention capacity
- Fine particle contamination, water and oil aging products removed by depth filter material
- Broad range of fluid compatibility
- Simple element change

### Technical Specifications

Model	N1TM003 / ECO	N14TM003/-ECO	N3TM003 / ECO	42.0TM/-ECO
Part Number	7643926	7643925	7647238	7644096
<b>Multipass Test in Accordance with ISO 16889</b>				
Dirt Holding Capacity @ 2.5 bar $\Delta P$	>250g	>400g	800g	>550g
Filtration Efficiency $\beta(c)$	200	200	>500	>500
Water Holding Capacity	400 mL	560 mL	>500mL	500 mL
<b>Influence on oil Composition</b>				
Foam Behavior (Flender Foam Test)	increase of 2%			
Oil Additives (Silicon and Boron)	almost no reduction			
<b>Construction of Filter Element</b>				
Contaminants Removed	Particles, water and oil aging products			
Filter Element Design	Synthetic media for particulate and water removal			
Filtration Rating	3 $\mu m$			
Permitted Fluid Temp. Range	14 to 176 °F (-10 to 80 °C)			
Storage Temp. Range	41 to 104 °F (5 to 40 °C)			

NOTE: Customer should re-use existing spring and adapter plate