

Membrane Filter-Cellulose Nitrate

Cellulose Nitrate Membrane filters are widely used for conducting solid contamination test for fluids. This is an integral part in Oil Patch Testing and HPLC analysis for sample filtration. There is may hydraulic application whereas a small micron size solid particle can cause permanent damage to the equipment or system.

A membrane is a thin layer of semi-permeable material that separates substances when a driving force is applied across the membrane. Membrane processes are increasingly used for removal of bacteria, micro organisms, particulates, and natural organic material, which can impart colour, of fluids.

The base material of membrane filter is cellulose nitrate (mixed cellulose ester) which contains a mixture of cellulose nitrate and cellulose acetate. This material assures effective retention with high flow rates and optimal colony growth. Membrane filters are available in different pore sizes/Micron rating 0.5 μm filters .0.8 μm filters 0.45, μm filters and 5 μm filters Diameter available $\phi 25$ & $\phi 47$ and different material.

Application:

Suitable application for membrane filter Oil Patch Testing and HPLC analysis for sample filtration. In fact, anywhere you need to analysis the solid contamination in fluids.

