About Us

Nupore Filtration Systems Pvt. Ltd. is a global membrane filtration and single use solutions provider. Our product solutions support our customers to produce safe & clean products timely & economically.

We offer diversified membrane filters, membrane based filtration devices and single use bags & assemblies primarily catering to the Pharmaceutical, Life Sciences Research, Diagnostics, Food & Beverages, Distillery and Environment Industries.

What started in 1989 in the backyard of a house, is now a global supplier of 100+ products reaching more than 16 geographies, through 3 manufacturing units.

We have been in business for over 35 years and know in & out of the Membrane Technology

Our Segments

Process Filtration

A wide range of validated Cartridge & Capsule Filters, Membrane Filters to cater different pre-filtration and final-preparation needs and to overcome critical process filtration challenges

Lab & Analytical

Encompasses a comprehensive product line for analytical sample preparation, sterile filtration, microbiology applications, Chromatography (HPLC/ UPLC/ LCMSMS) & spectroscopy sampling and laboratory research

Diagnostics

Our Cost-effective NC (nitro-cellulose) membrane solution to IVD (In-vitro diagnostic); Qualitative & Quantitative analysis of biological sample with lateral flow membranes & strips

Single Use Solutions

Our Single use 2D & 3D bags and customized assemblies designed for mixing, handling, storage, and transportation of Bio-process fluids.

NUPORE®

CE 11884

UNITED REGISTRAR OF SYSTEMS URS ISO 9001

UNITED REGISTRAR OF SYSTEMS URS ISO 13485

UKAS MANAGEMENT SYSTEMS 0043

CAPSULE FILTERS

PoreCap® series of capsules filters are available in sterile and non-sterile options with diversified media, and are especially designed and developed for the removal of particles or bacteria or microbes from aqueous or solvent solutions or air/gas streams. Each capsule filter unit has been tested for integrity test methodology as per PDA Technical Report 26, (TR26) recommendation and complies with USP and ASTM requirement for extractable limits.

Applications

- Aqueous Preparation
- Biologicals
- Buffers
- Cleaning/ Rinsing Solutions
- Enzymes
- Immunological
- Irrigation Solutions

CARTRIDGE FILTERS

NuCart® membrane cartridge filters offer uniform pore size distribution with superior strength and higher throughput to ensure repeatability and reproducibility and are available in a wide range of varieties.
All membranes are manufactured in compliance environment to maintain all regulatory norms and applications for lab filtration and process production filtration.

Applications

- WFI Preparation
- Biologicals
- Venting Gas Tanks
- Beverages & Distilleries
- Carbonated & Flavored Drinks
- Parental Preparation, APIs
- Salt Solutions
- Aggressive Solvents & Corrosive Chemicals
- Water Bottling

MEMBRANE FILTERS

HPLC Certified

Nupore membrane filters offer uniform pore size distribution with superior strength and higher throughput to ensure repeatability and reproducibility and are available in a wide range of varieties.
All membranes are manufactured in compliance environment to maintain all regulatory norms and applications for lab filtration and process production filtration.

Applications

- Analytical Methods - Sample Preparation
- General Filtration
- Environmental Monitoring
- Sterile Filtration
- Microbial Analysis
- Water Analysis

VENT FILTERS

TruVent® contains hydrophobic PTFE membrane with a PP housing and is especially suited for gas streams with demanding requirements such as extreme humidity and stringent steam. These filters offer reliability, process security and a long service life.
The inherent hydrophobicity of the PTFE membrane is unaffected by repeated autoclaving or steaming and guarantees sterile filtration of both dry and moist gases.

Applications

- Venting Small Bioreactors (Inlet/Outlet)
- Air & Gas purification
- Moisture Trap
- Storage Tank/ Vessel Venting
- Filling Equipment Venting
- Autoclave Venting

MICRO FUNNELS

SteriFunnel® is a cost effective and ready to use disposable filtration solution for Sterility Testing. Manufactured in a clean room facility and perfectly designed for microbiology analysis, each funnel is pre-sterilized (EO or gamma sterilization) to ensure the highest quality test requirements of U.S., Japan and European Pharmacopoeias for sterility testing

Applications

- Testing Antibiotics Solutions
- Sterility Test of Water
- Cleaning validation
- Bio-burden Analysis
- Microbial Analysis
- Quality Control analysis for final product release
- Alcoholic Beverages Analysis

SYRINGE FILTERS

PureChrom™ series of disposable syringe filter devices are designed to provide rapid and efficient filtration of aqueous and organic solutions. Each manufacturing lot has been verified to ensure the absence (negligible presence) of organic and inorganic leachable contents using analytical tool like HPLC and ICP-MS. These are ready to use for laboratory sample preparation, chromatography and spectroscopy applications

Recognized & Approved for PPM to PPT level analysis

Applications

- Lab Sample Preparation
- Chromatography and Spectroscopy
- Biotechnology
- Applications in general chemicals
- Testing Labs, Food & Beverage and Agri Industries

SINGLE USE BAGS

Nupore single-use assembly systems are easy-to-install and economical solution for storage and transfer of process fluids in the biopharmaceutical industry.
They eliminate the problems associated with the use of traditional stainless steel/ glass vessels such as cross-contamination risk, intense cleaning requirements, high downtime and extensive validation.
These are extensively tested, characterized and validated for physical, chemical and microbiological properties.

2D & 3D Bags
Manufactured in ISO Class 7 clean room

Applications

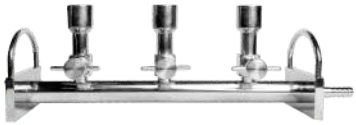
- Sterile Media and Buffer preparation, storage and transfer
- Upstream and downstream biopharma processing

OTHERS

Diagnostic Membranes

Enviropore PT for PM 2.5

Sterile Syringe Filters



Manifolds

Other Diagnostic Components

SS Housing

Glass Fiber Filters

Our Products are validated and comply with:

- USP <88> Class VI for Toxicity
- USFDA 21 CFR Part 210.3(b)(6) for Non Fiber Release
- USP <788> for Particulate Matter in Injectables
- USP <661/665> for Extractables
- USP <1231> for Oxidizable Substances
- PDA TR (26) for Integrity & Lot Release
- 21 CFR 177.1520 for FDA Indirect Food Additive Regulation
- USP <643> for TOC & USP <645> for Conductivity

Filter Validation Services

Filter Integrity Test: Ensuring the integrity of your critical sterilizing filter is essential, so it should be tested both before and after use. Our team can assist you in identifying the minimum integrity test specification for 1) Filters wetted with your drug product or 2) Filters wetted and rinsed with a specific fluid.

Bacterial Retention Testing (BRT): This is a critical step in filter validation for biopharmaceutical manufacturers as it helps ensure that filters will produce a sterile effluent even when loaded with bacteria. Testing is conducted using end-user worst-case processing conditions to determine the ability of a sterilizing-grade filter to retain a minimum challenge of 10^7 bacteria per cm^2 of filter area

Extractable & Leachable: Our E&L study is made up of two separate but interrelated projects. The first is the extractables study which establishes a baseline for the subsequent leachables study. The latter involves a series of tests carried out at predetermined intervals on the pharmaceutical product throughout its shelf-life.

Chemical Comptability Test: Chemical Compatibility studies are performed to ensure that the filter undergoes no adverse effects on usage with the pharmaceutical product. These tests are performed on the filter prior to and after worst-case exposure. . Compatibility is determined by comparing: Integrity test results using the reference fluid, Flow Rates, Membrane Thickness, Pore Morphology

Throughput Study: During the prefiltration/filtration process, colloids or suspended particles start to accumulate on the filter membranes, leading to gradual pore plugging. It is important to understand the throughput capacity of the filter with respect to different filtrates.

Improve your Filtration Efficiency and Strengthen your Analytical & Microbiology lab with us

35+ Years Experience

Cleanroom Manufacturing

4-5 weeks Lead Time

Integrity Tested

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