



BioSafe NY66

High-Purity Hydrophilic Nylon 66 Membrane Filter Cartridges

STERILIZING GRADE BIOBURDEN REDUCTION ULTRA-LOW EXTRACTABLES MATRIX

ADVANCED CHEMICAL COMPATIBILITY 100% FACTORY INTEGRITY TESTED



ENGINEERED FILTRATION,
TRUSTED PROTECTION.



Superior Material Strength for Critical Process Stabilization

The BioSafe NY66 Series membrane filter cartridges are engineered with premium imported hydrophilic Nylon 66 membranes, meticulously pleated to deliver absolute filtration precision. Offering immediate wetting in both aqueous and organic solutions, these cartridges combine a robust physical structure with wide chemical resistance — purpose-built for demanding antibiotic production workflows and technical fluid clarification applications.

ENGINEERING ADVANTAGES

Ultra-Low Extractable Profile

The specialized high-purity Nylon 66 matrix ensures exceptionally low precipitation and zero media migration, protecting sensitive downstream active pharmaceutical ingredients (APIs) from contamination throughout the filtration cycle.

Broad Solvent Compatibility

Nylon 66 offers excellent resilience when exposed to organic solvents, alcohols, ketones, and moderately alkaline fluids, enabling reliable deployment across diverse pharmaceutical and chemical process environments.

Non-Contact Thermal Fusion Bonding

Mikropore integrates advanced non-contact thermal fusion technology to bond the Nylon 66 membrane pack with the polypropylene support cage, core, and end caps — ensuring rugged mechanical strength under continuous process cycles and repeated sterilization.

100% Quality Assurance

Every element undergoes 100% non-destructive integrity testing before final release, ensuring absolute performance in particle and microbiological interception for critical sterile and bioburden-reduction applications.

Typical High-Sanitation Applications & Working Specifications

TYPICAL HIGH-SANITATION APPLICATIONS

Pharmaceuticals

Sterile filtration and bioburden reduction in antibiotic manufacturing, APIs, diagnostics, and large-volume parenterals (LVPs).

Fine Chemicals

Purification of high-purity organic solvents, chemical washes, alkaline solutions, and photoresists.

Beverage Processing

Clarification and stabilization of industrial process water and technical fluid ingredients.

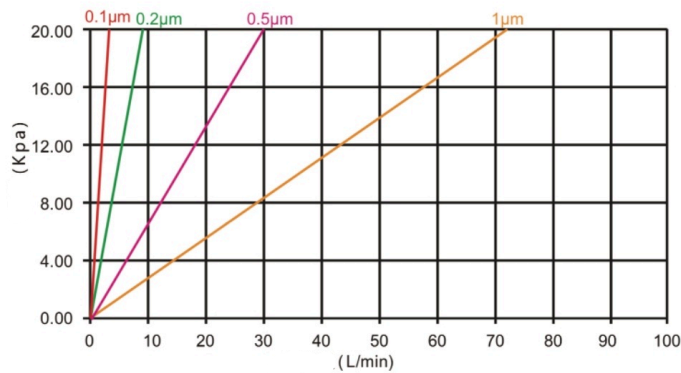
TECHNICAL WORKING CHARACTERISTICS

Maximum Service Temperature	82 °C
Maximum Forward Differential Pressure	0.38 MPa @ 21 °C (55 psi) / 0.24 MPa @ 80 °C (35 psi)
Recommended Change-Out Differential Pressure	0.24 MPa (35 psi)

Performance Curves & Selection Chart

PERFORMANCE CURVES

Flow Rate vs. Differential Pressure (Per 10" Element with Water at 25 °C)



Technical Note: The hydro-dynamically balanced pleat distribution of the Nylon 66 media provides a highly stable flow path with exceptionally low clean differential pressure.

PART NUMBER / SELECTION CONFIGURATOR

Series	BSP-NY (BioSafe NY66)
Micron Rating	010 = 0.1 µm 020 = 0.2 µm 045 = 0.45 µm 100 = 1.0 µm
Length	10 = 10" 20 = 20" 30 = 30" 40 = 40"
End-Cap Configuration	DOE = Double Open End C2 = 226 / Flat Closed C3 = 222 / Flat Closed C7 = 226 / Fin End C8 = 222 / Fin End
Seal Material	S = Silicone E = EPDM V = Viton N = NBR T = Encapsulated Viton

Ordering Example: BSP-NY-020-20-C7-E (BioSafe NY66, 0.2 µm rating, 20-inch length, 226/Fin adapter, EPDM seals).

REGULATORY COMPLIANCE

Component materials meet FDA requirements for food and beverage contact.
Complies with USP Class VI Biological Test standards for plastics.

SUPPORT / APPLICATION NOTE

For custom operational verification, specific chemical resistance grids, or housing integration setups, please contact
our process validation group.

COMMERCIAL CONTACTS

✉ sales@mikropore.com

mikropore.com

■ Mikropore LLC