

Complies with USFDA 21 CFR 210.3 (b) (c)
 Microbially Validated as per ASTM F 838-83
 Meets USFDA 21 CFR 177.1520

PES Membrane Capsule Filters

Nupore Polyethersulfone membrane capsule filters are ready to use, cartridge filters sealed inside a polypropylene housing. These filters are specially designed to assure highest packing density of membrane per unit volume resulting in a very compact capsule which provides a long service life.

Special Features

- Large filtration area
- High flow rates
- 100% integrity tested
- Absolute retention
- Very low hold up volume
- Low protein binding
- Serial filtration with a large pore size upstream membrane
- **Total traceability:** Unique marking on each filter

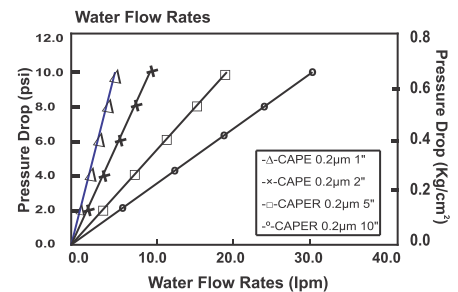
Applications

- High value biopharma manufacturing process
- Sterilization of oncology drugs
- Aseptic additions to fermentation processes
- Sterile filtration of high value fluids
- New drug delivery systems
- Sterilization of buffers
- Bioburden removal from cell harvest supernatants
- Sterilization of vaccines and therapeutic proteins



Specifications

- **Maximum Operating Temperature:** 80°C @ ≤ 2kg/cm²
- **Maximum Operating Pressure:** 4Kg/cm² @ 30°C
- **Extractables with Water:** Within limits specified in USP
- **Sterilization:** 25 autoclave cycles of 30 minutes at 121°C
- **Oxidizable Matter:** Passes test as per USP
- **Biosafety:** Passes the Biological tests for Class VI plastics as per USP
- **Integrity Test Data (With Water):**
 0.2µm @ ≥ 37psi (2.6kg/cm²) - Max. Air Diffusion Flow ≤ 30ml/min
 0.45µm @ ≥ 24psi (1.68kg/cm²) - Max. Air Diffusion Flow ≤ 35ml/min



Ordering Information:

Type		Size			Pore Size		Inlet/Outlet		Bell		Sterilization	
Type	Code	Size	EFA	Code	Pore Size	Code	Connection	Code	Code	Code	Code	
CAPE (Single Layer)	CAPE	1"	0.025m ²	A	0.2µm	02	1/4" SHB	01	Yes	BY	Non Sterile	SN
CAPE (0.8µm upstream)	CAPER 2	2"	0.05m ²	B	0.45µm	045	1/4" MNPT(18 TPI)	02	No	BN	EO Sterile	SE
CAPE (0.65µm upstream)	CAPER 1	5"	0.10m ²	C			1/4" BSP(19 TPI)	03			Gamma Sterile	SG
CAPE (0.45µm upstream)	CAPEQ	8"	0.20m ²	D			1/4" BSP(19 TPI) with O-ring	04				
		10"	0.60m ²	E			1/2" MNPT	05				
							1/2" Hose Barb	06				
							1 1/2" Sanitary Flange	07				
							3/4" Sanitary Flange	08				
							Quick Connector	09				
							1/2" Single Step Hose Barb	10				

CAPEQ	A	02	06 06	BN	SE
-------	---	----	-------	----	----

Example: CAPEQA020606BNSE