

Narrowband filter hollow fiber



Overview

Hollow fiber filtration utilizes thousands of long, porous filaments ranging from 1-3.5mm wide, that are potted in place in a PVC shell. Hollow fiber can find uses in all types of filtration, ranging from microfiltration to. Ideal for ultrafiltration and microfiltration of shear-sensitive modalities, Spectrum® Hollow Fiber Filters for TFF can accommodate the widest range of scales, membrane chemistries and pore sizes to maximize process outcomes. Our innovative design features macro-void-free membranes and a linear flow path that ensures smooth, optimal separation while. The hollow fiber modules are each equipped with 2 extra and intracapillary connections that allow access to both sides of the membrane. Standard connections are either Luer Lock or Hose Barb connections. Alpha Plan membrane. Cobetter hollow fiber filters are made of low-binding modified polyethersulfone membranes (m-PES) that deliver excellent filtration performance. The filters demonstrate stable performance with reliable linear scalability when maintaining identical length but varying surface areas.



Article Content

Nov 10, 2025

Narrowband all-fiber acousto-optic tunable add-drop filter based on ...

Semantic Scholar extracted view of "Narrowband all-fiber acousto-optic tunable add-drop filter based on dispersion-compensating fiber" by Ligang Huang et al.

May 20, 2026

Hollow fiber membrane

A reinforced immersed hollow fiber membrane cassette used in membrane bioreactor process for water treatment Hollow fiber membranes are ubiquitously used in

Aug 14, 2025

Tunable Fabry-Perot filter using hollow-core photonic bandgap fiber

Abstract A novel tunable fiber Fabry-Perot (FP) filter is proposed and demonstrated by using a hollow-core photonic bandgap fiber (HC-PBF) and a micro-fiber. The interference cavity is a

Feb 05, 2026

Research on Preparation and Mode Conversion Application of Narrowband ...

Download Citation | Research on Preparation and Mode Conversion Application of Narrowband Hollow-core Anti-resonant Fiber | Due to the unique characteristics of the hollow core

Jan 06, 2026

NX Filtration | Hollow Fiber Nanofiltration Membranes

Our Hollow Fiber Nanofiltration (HFNF) membranes offer the unique combination of a low fouling hollow fiber configuration with the ability to remove organics and

Aug 07, 2025

Hollow fiber membrane filter technology

Technology Alpha Plan specializes in the manufacture of single-use filter modules that are suitable for various applications, e.g. in the medical and biotechnology industries. Based on our many years of

Aug 04, 2025

Hollow Fiber TFF

Experience ultra- and microfiltration performance with our Hollow Fiber TFF modules. Designed to balance between fiber stability and integrity as well as performance

Feb 05, 2026

Hollow Fiber Filters: Benefits and Drawbacks Explained

Hollow fiber filters offer high filtration efficiency, compact design, and versatility but face challenges like clogging, fragility, and high initial costs.

Jan 12, 2026

CleaSep Hollow Fiber Filter for Biopharmaceutical –

CleaSep hollow fiber filters are currently available in 17 different dimensions, suitable for R& D, pilot testing and commercial production. The filters demonstrate stable

Aug 26, 2025

In-line hollow-core fiber-optic bandpass filter

We present an antiresonant hollow-core fiber-based bandpass optical filter. The device is realized by tapering down a section of tubular hollow-core fiber to a ratio of less than 0.5. Sweeping

Sep 05, 2025

Hollow fiber nanofiltration: From lab-scale research to full-scale ...

This review provides a comprehensive overview on the quickly developing field of polymeric hollow fiber (HF) nanofiltration (NF), including membrane (module) and process design,

Jun 12, 2026

Narrowband all-fiber acousto-optic tunable add-drop filter based on ...

Therefore, it is promising to construct a narrowband AOADF combining the mechanism of acoustically induced fiber birefringence and large dispersion of DCF. In this work, we propose a

Oct 22, 2025

Hollow fiber membrane nano-technology: Applied to purifying the ...

The compact design of NanoSHIELD hollow fiber series filter cartridges and capsules make them ideally suited for critical applications requiring low hold-up volume with superior flow rates and high particle

Oct 18, 2025

Find a Spectrum Hollow Fiber Filter

Configure and find the perfect Spectrum hollow fiber filter for ultrafiltration, diafiltration, or microfiltration with Repligen's easy-to-use configurator.

Oct 27, 2025

Hollow fiber membrane filter technology

Expert in membrane filter technology: Customized filters for ultrafiltration & microfiltration, bioreactors etc.

Oct 19, 2025

Hollow-Fiber Membrane Technology-Industrial Applications & How

For example, a standard hollow-fiber membrane module with 100mm diameter fibers will house up to 600 m² of filtration membrane area. Applications of Hollow-Fiber Membrane Hollow-fiber

Aug 30, 2025

Hollow fiber nanofiltration: From lab-scale research to full-scale ...

Thus, it is important to realise that research on small, lab-scale hollow fibers cannot be simply translated into performance of full-scale membrane modules due to membrane length being

Nov 10, 2025

Hollow Fiber Membranes

Advantages Hollow fiber membranes feature a very high packing density because of the small strand diameter. Because of the flexibility of the strands, certain filter

Aug 27, 2025

Hollow Fiber Filter | Duoning Biotech

Hollow fiber filters can be widely used in various areas of pharmaceuticals and life sciences industry, including antibodies, gene and cell therapy, mRNA, human &

Nov 09, 2025

Hollow Fiber Membranes – TFF Filter Modules for

Quickly find hollow fiber TFF products by searching by category or filtering by attributes. Sartorius offers robust hollow fiber TFF modules with in

Nov 20, 2025

Novel All-Fiber Bandpass Filter Based on Hollow Optical

We report an in-line all-fiber bandpass filter based on a hollow optical fiber (HOF) core mode blocker along with a long-period fiber grating (LPG) pair. It is

Jul 19, 2025

Narrowband all-fiber acousto-optic tunable add-drop filter based on ...

(DOI: 10.1016/j.optlastec.2023.109759) A narrowband fast tunable acousto-optic add-drop filter is proposed and demonstrated based on the acoustically-induced birefringence of dispersion

Oct 20, 2025

Advances and Applications of Hollow Fiber Nanofiltration

Hollow fiber nanofiltration (NF) membranes have gained increased attention in recent years, partly driven by the availability of alternatives to

Jul 19, 2025

Step-by-Step Guide to Choosing the Right Hollow Fiber Membrane Filter

Learn how to choose the right hollow fiber membrane filter by understanding material types, pore sizes, flow rates, and application-specific requirements.

May 11, 2026

Hollow Fiber Filters - Cobetter

They are easy to install, clean and sanitize, providing cost-efficient and time-saving solutions for your bioprocessing applications. Cobetter hollow fiber filter modules

Apr 27, 2026

Hollow Fiber Membranes

Hollow fiber filtration utilizes thousands of long, porous filaments ranging from 1-3.5mm wide, that are potted in place in a PVC shell. Each filament is very narrow

Oct 25, 2025

Hollow Fiber Membranes - TFF Filter Modules for

Hollow Fiber Filters for Biopharmaceutical Applications Streamlining Bioprocesses With High-Performance Tangential Flow Filtration Sartorius" hollow fiber

Jun 20, 2026

What Are Hollow Fiber Filters and How Do They Function?

Hollow fiber filters use porous membranes to remove contaminants like bacteria and viruses from liquids and gases, ensuring clean and safe outputs.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.regen-power.co.za>

Email: info@regen-power.co.za

Phone: +49 176 845 2036

Address: Taunusanlage 15, 60325 Frankfurt am Main, Germany

This document is for informational purposes only. Specifications subject to change without notice.

