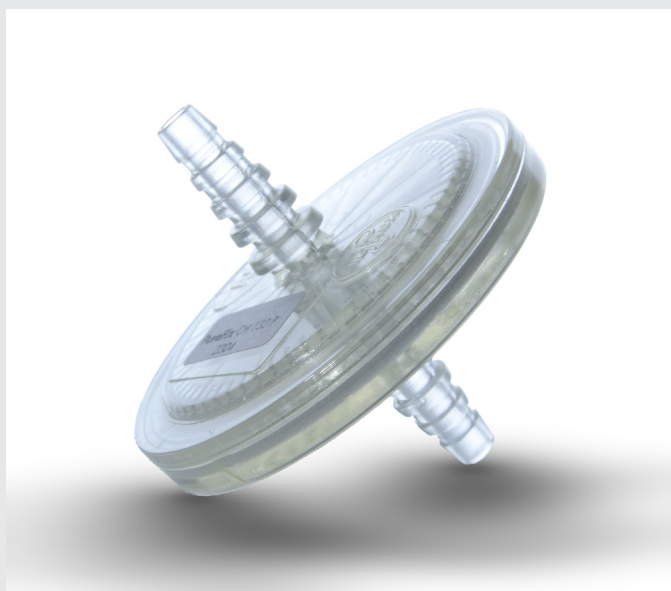


MINI CAPSULES

DISPOSABLE DEPTH FILTRATION UNITS

For filterability trials, method development and lab size depth filtration



Characteristics

The disposable mini capsules are designed for filterability trials and filtration method development. They are used for lab scale filtration and don't need extra filter holder.

The functional core of the capsules are Ø 60 mm diameter round depth filter sheets, available in different porosities (retention rates).

The working filter material inside the capsules is the same as the one used for large scale filtrations. Thus it is a convenient tool for upscaling.

The clear and transparent polymer housing allows easy visual inspection of the filter process.

Technical Specifications

- Ø 60 mm (effective 52 mm)
- max. pressure 4 bar (at 20°C)
- Transparent PA housing (optional opaque PP)
- Hose connectors (tube clips)
- Inlet and outlet sides are labelled

Material

Housing: Transparent PA housing (optional opaque PP)

Depth filter sheet: purified cellulose, inorganic filter aid, wet strength resin.

Optional for speciality sheets:

- TRIEX® for TCA removal from wine
- Activated Carbon

All material is FDA approved.

Applications

The filtration work is done by the depth filter sheets, which are available in a variety of porosities, from coarse over fine to germ reducing and -removing filtration («sterile filtration»).

Examples of industries:

Beverage (wine, spirits, juice...), biotech, cosmetics, fine chemicals, ink, paint, process water, pharmaceuticals (e.g. API), solvents ...

Available Retention Rates

The following nominal porosities (retention rates) are available:

Coarse / Fine filtration			Germ-reducing / Sterile filtering		
Type module	Retention rate [µm]	Flow rate [l/m ² min] Δp=1 bar	Type module	Retention rate [µm]	Flow rate [l/m ² min] Δp=1 bar
CH 3 P	20	2800 – 3600	CH 103 H P	0.6	100 – 120
CH 9 P	10	1500 – 2100	CH ST 113 P	0.5	68 – 80
CH 23H P	6.0	560 – 700	CH ST 133 P	0.4	45 – 56
CH 33H P	5.0	280 – 360	CH ST 143 P	0.2	26 – 34
CH 43H P	4.0	240 – 300	CH ST 153 P	0.04	10 – 16
CH 73H P	1.5	170 – 210			

Other grades and porosities as well as functionality such as activated carbon or TRIEX® upon request.

FILTROX Quality Assurance

FILTROX assures the best quality control according to international standards:

- ISO 9001 (Quality management)
- ISO 14001 (Environmental management)
- HACCP
- FDA drug master file: # 16418

External tests of filter sheets were performed and certified according to

- CFR requirements by the NAMSA

All sheets are kosher for passover.

Your Filtrix dealer:

The information contained in this pamphlet is up-to-date at the time of release. However, each end user is requested to check the suitability of their product(s) with the types of filtration mentioned in this leaflet. Technical modifications are reserved.