

# FIBRAFIX® TX-R MODULES

## FILTER MODULES WITH TRIEX® FOR TCA-REMOVAL

Effectively removes TCA from wine and other beverages (patent pending)



### Characteristics

FIBRAFIX® TX-R depth filter modules are an effective method of removing TCA (2, 4, 6-trichloroanisole) from wine and other beverages. Contrary to other methods of TCA-removal, TX-R sheets do not damage original aroma or flavour. The FIBRAFIX® TX-R filter sheets contain TRIEX® (patent pending), an inorganic compound. All materials are food grade and FDA approved.

FIBRAFIX® TX-R modules allow the user to handle large filter areas easily in a disposable assembly. Filtration is performed in a closed system.

### TCA in beverages

TCA (2, 4, 6-trichloroanisole) is a serious problem for the wine and beverage industry. TCA can be found in corks, oak barrels, storage tanks and other equipment. It has a moldy odor that people can detect in wine at levels as low as 5 parts per trillion. Surprisingly, even at levels from one to two parts per trillion, it can affect a wine's taste and bouquet.

Earlier methods have been developed to try to treat TCA-tainted wine, but they have proven to be less than ideal. Polyethylene treatment methods are costly, time-consuming and diminish or «scalp» the complex aromas that give a wine its rich bouquet and flavor. Methods employing the addition of milk-products are sometimes used, but they also reduce the aromas and flavors and might result in the wine containing residual allergens. The method of using mustard seed as a TCA-deodorant is also associated with severe taste and aroma distorting effects

### Application

FIBRAFIX® TX-R Filter Modules are used like conventional filter modules. One pass through the filter is enough to remove the TCA.

### Recommended flow rate

350 l / m<sup>2</sup> / h

### Dimensions

Modules are available in the following versions:

	12"	16"
Diameter	300 mm	400 mm
Filter Area/Module (m <sup>2</sup> )	1.8 m <sup>2</sup> (19 sqft)	3.6 m <sup>2</sup> (38 sqft)
Height (bayonet adapter)	330 mm	330 mm
Height (flat adapter)	272 mm	272 mm

### Adapter types

The FIBRAFIX® TX-R modules are available in all common adapter types:

- flat adapter (= DOE)
- bayonet adapter (= DOR = F)

### Rigid construction

The module consists of a polypropylene backbone (rigid core) and depth filter sheets on drainage bodies.

### Handling

Depth filter modules are used in a filter housing, such as the FILTROX DISCSTAR® series. The modules need to be wetted when the filters are loaded and they need to be pre-flushed with clean water at 50 L/m<sup>2</sup>.

### Sterilization conditions

The sheets can be sterilized with hot water (85°C) or inline steam (125°C).

## FILTROX quality assurance

FILTROX assures the best quality control according to international standards:

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

External tests of filter sheets were performed and certified according to - CFR requirements by the NAMSA

FILTROX is using polyamidoamine as a wet strength agent in its filter sheets. The ISEGA institute for food analysis in Aschaffenburg (Germany) performed a test for extractable MCPD and DCP. The FILTROX filter sheets extracts were below the detection limit of the approved standard method for DCP and MCPD.

## EU safety data sheets

EU safety data sheets for all types of FIBRAFIX® sheets and modules can be downloaded from the FILTROX website. Hardcopies are available upon request.

## Material

Purified and bleached cellulose, natural inorganic filter aids, TRIEX®, polyamidoamine (< 3%). Free of plastic fibers and formaldehyde. The filter sheets are free of GMO and common allergens. Module backbone and support structure: PP  
Gasket Material: Silicone.

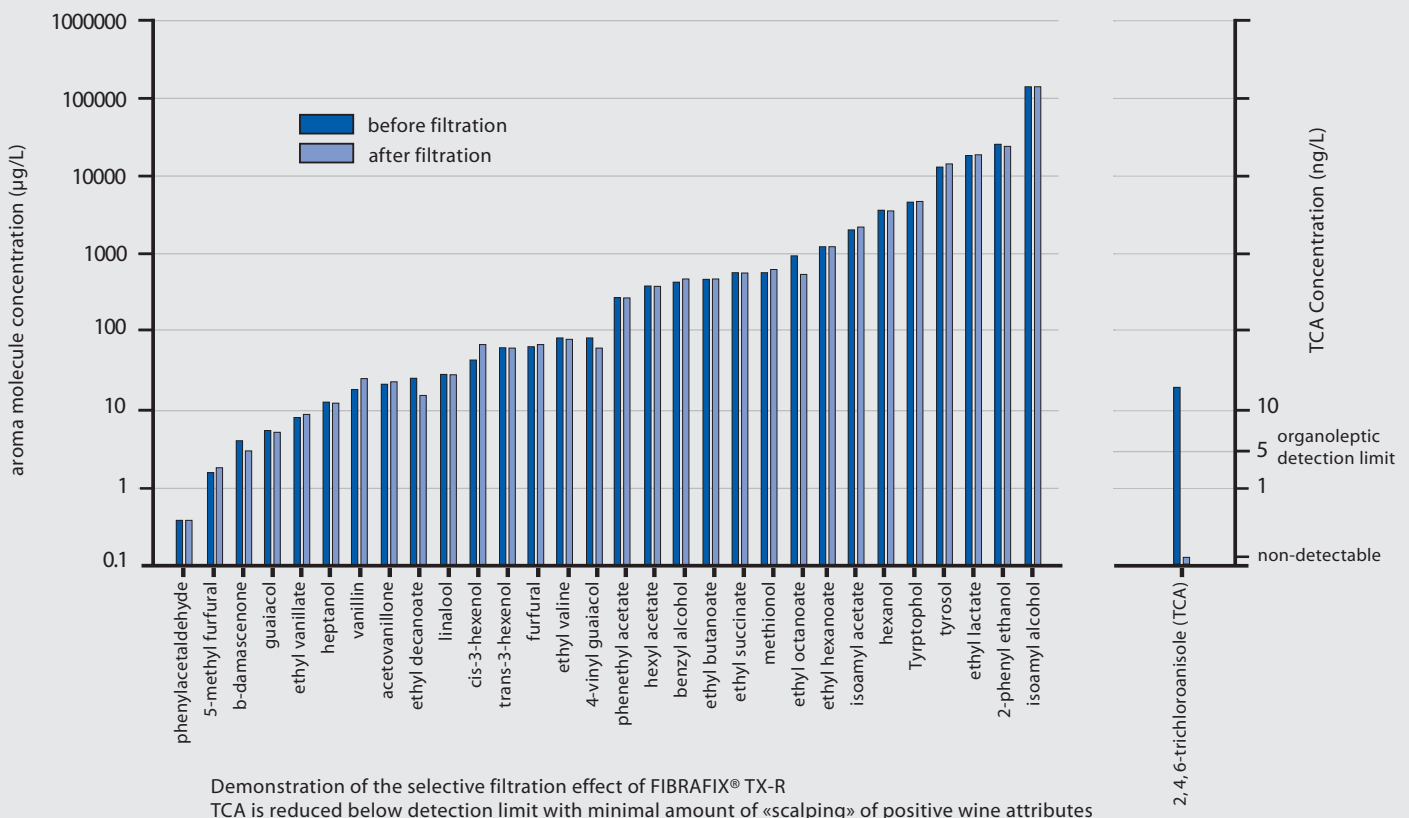
## Disposal

Uncontaminated sheets can be recycled like paper, composted or disposed with the domestic waste. Contaminated sheets must be disposed according to the contamination.

## Storage life and conditions

Sheets should be stored in their original packaging in an odorless, dry and ventilated environment. We recommend to use the filter sheets within 36 months after purchase.

## French Colombard aroma profile, before and after filtration with FIBRAFIX® TX-R



Your FILTROX 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.