

# Alyza IQ - Short instructions

## Cleaning of the filter membrane module



### ATTENTION

**These instructions for cleaning the filter membrane module must be followed.**  
(For more detailed information, refer to the mounting instructions “filter module FM/PC”)

#### Mechanical cleaning:

1. Rinse off any gross contamination with **low** water pressure.
2. Then carefully remove the coating with a soft special brush: When doing so, position the brush at a flat angle and **do not** clean with the brush ends or with too much pressure, as the membrane could be damaged.
3. After cleaning, check both sides of the membrane for damage.
4. Clean the special brush under running water, dry it and store it in a place free of dust.

#### Chemical cleaning:



### WARNING

Dangerous chemicals.  
Improper use of chemicals can cause damage to your health.

Heed the following rules:

- Read the labels of the chemical containers and follow the safety instructions
- Wear protective equipment (safety glasses, chemical resistant gloves, protective clothing)

**Organic blockages:** Aqueous sodium hypochlorite solution (chlorine bleaching, NaClO), 1 % active chlorine. In some cases, NaOH 4 % (sodium hydroxide) has proven effective.

**Calcification:** Diluted acetic acid (max. 10 % acetic acid) or diluted citric acid (max. 10 % acetic acid).

**Pre-cleaning:** Prior to each chemical cleaning, pre-clean the membrane mechanically.

#### How to do the chemical cleaning:

1. Dismantle the filter membrane module from the slide.
2. Completely submerge the membrane module including the filter in the cleaning container filled with cleaning solution.
3. Start with a reaction time of 30 minutes; extend the reaction time as necessary. During the chemical cleaning, **do not** use the brush for cleaning!
4. After the chemical cleaning, rinse the filter membrane module with clean water.

**Storage:** Store in a moist place and protect against biological aufwuchs (e.g. in cleaning solution).

**Suction tube of the sample filtration:** Rinse with cleaning solution as necessary (see above). To do so, remove the tube from the filter membrane module. Insert the tube end into a container with cleaning solution. Insert the sample intake tube of the overflow vessel into a collecting container. Switch on the pump until cleaning solution runs out of the tube end. Allow to react for a few minutes and from time to time switch on the pump for a short time. After finishing, reconnect the tube.

**Overflow vessel:** If necessary, demount the overflow vessel, clean it manually with a test tube brush and rinse.