

Beverage Industry

Application:

Dealcoholisation of Beer

Typical residues:

Proteins, Polyphenols, Glucans, Minerals









Specific application area:

Multiple membrane manufacturer
 Cellulose
 Non-specific module type

General information:

Limitations, please always confirm with membrane suppliers' technical bulletin.
 pH 2.0 –12
 Temperature 0-50°C
 Chlorine 100 ppm at maximum 20°C
 Peracetic acid 100 ppm at maximum 20°C
 Hydrogen Peroxide 1000 ppm at maximum 20°C

Cleaning interval: usually after each batch

Cleaning Procedure & Chemicals	%	°C	min.	Notes
 Pre-rinse Water or permeate		Cold		Until concentrate runs clear. Rinse temperatures may be as high as process temperature, but never higher.
 Alkaline P3-ultrasil 25	0.35	20		Drain solution without circulation
 Alkaline P3-ultrasil 25	0.7	20	15	
 Intermediate Rinse Water or permeate		Cold		Rinse temperatures may be as high as process temperature, but never higher.
 Alkaline P3-ultrasil 130	1	50	60	
 Intermediate Rinse Water or permeate		Cold		Rinse temperatures may be as high as process temperature, but never higher.
 Sanitation P3-oxonia active	0.3	20	30	
 Final Rinse Water				Rinse until any residues of the cleaners are removed.



Important additional remarks!

Due to the diversity of materials and applications the information given below represents only a non binding guideline and is not intended to supersede the manufacturers specifications, limitations and recommendations. It is compulsory to follow the manufacturers limitations, especially concerning pH and temperature stability of the materials. The cleaning process should be individually optimised.