

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 only in cases of serious problems with capacity or microbiology

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	0.7	20	15	Drain solution without circulation
 Intermediate Rinse Water or permeate		Cold		Rinse temperatures may be as high as process temperature, but never higher.
 Alkaline P3-ultrasil 60 A P3-ultrasil 62	1 0.5	50	60	Enzymatic cleaning step can be soaked over night if enough time is available.
 Intermediate Rinse Water or permeate		Cold		Rinse temperatures may be as high as process temperature, but never higher.
Continue with standard procedure (cleaning program 56)				



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.