

RE-USE and SAVE CIP MEDIA FILTRATION

Ecoclean - overview



Your Benefits:

- Reduction of caustic and waste water costs
- ROI < 2 years
- Microparticles are completely removed
- CSB-reduction of up to 80%
- Caustic can be used x-times
- Low space requirement
- Ceramic membranes
- Easy to integrate into existing system

GET YOUR OWN ROI!

Contact us:
sales.fittings@handtmann.de



The Advantages

- Fully automated and continuous filtration system
- Maintains high cleaning properties of your media
- Secure removal of particles and microbiological contaminations in the media
- Reduction of water, waste water, concentrates, additives and energy savings

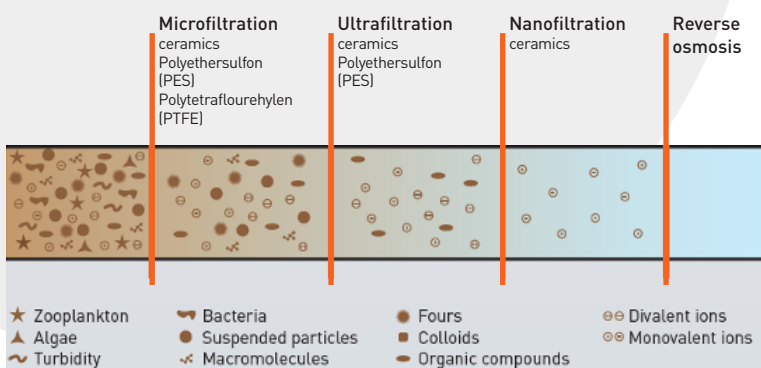


The CF Filter uses a very robust ceramic membrane with a long life time and high performance properties.

CF011 production unit

In the course of the filtration, the amount of dirt, which is held back in the loop, continues to increase. By the rising concentration of these materials, the filter speed decreases. Once the pollutants are removed by draining the loop, the flow speed rises again.

Overview filtration area



Process	Pore size [µm]	Molecular weight [Da]
Microfiltration	> 0,1	> 500 kDa
Ultrafiltration	0,0 - 0,1	1 - 500 kDa
Nanofiltration	0,00 - 0,01	0,3 - 2 kDa
Reverse osmosis	> 0,001	> 100 Da

Caustic filtration between Micro- and Ultrafiltration

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CF016 Germany



CF040 Mexico



CF032 Italy

UHT CIP from a dairy company



Unfiltered CIP solution and Filtrate

