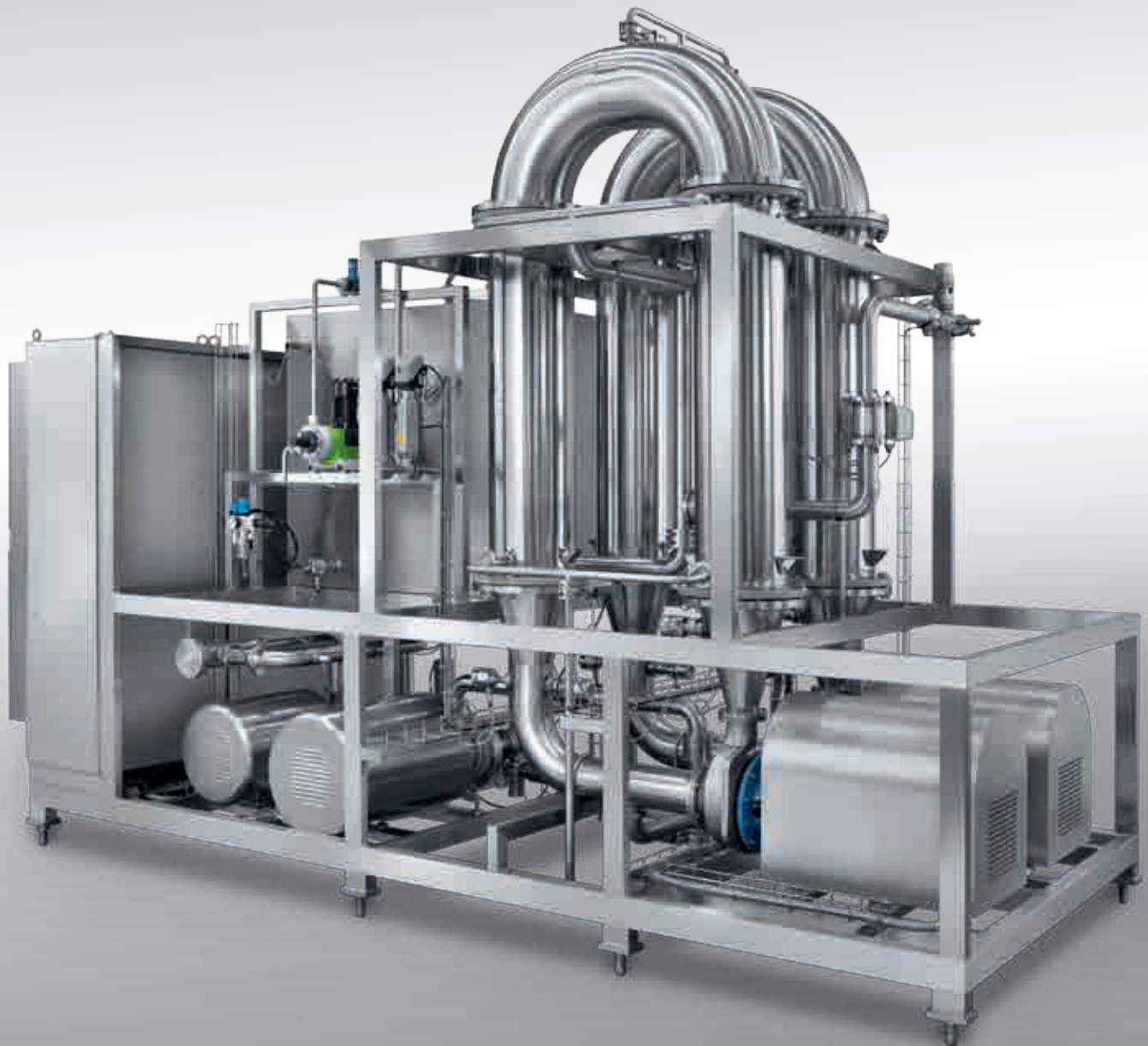


# CF FILTER TECHNOLOGY

CIP Media Filtration

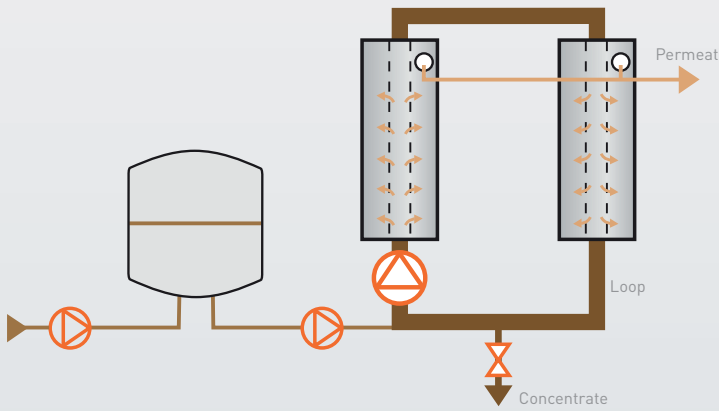




## The Filtration Process

The dirty media circulates in the membrane loop and flows over the diaphragm. The filtrate permeates (Permeate) through the diaphragms. The dirt is held back in the loop.

Dirty media is continuously fed from the buffer tank into the loop. This achieves an optimal pressure and overflow speed inside the membrane.



## 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 membrane with a long life time and high performance properties.

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 emptying of the loop, the flow speed rises again.

## UHT CIP from a dairy company

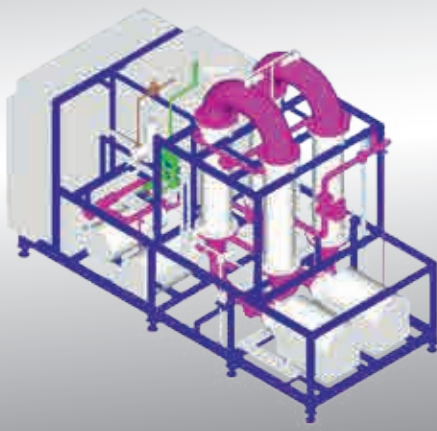


↑ Unfiltered CIP solution,  
Concentrate, Filtrate

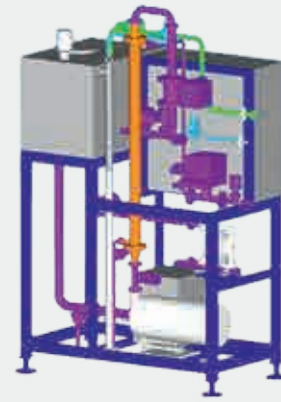
## NF filtration for colour removal



↑ Colour removal from caustic  
from regeneration processes



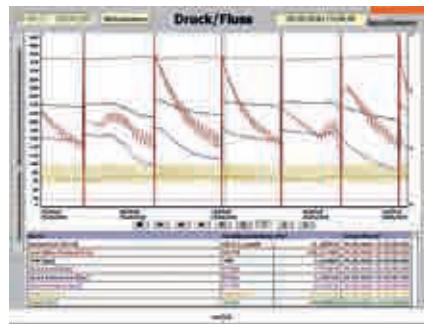
↑ CIP Caustic filtration CF 087



↑ CF 001 Test unit

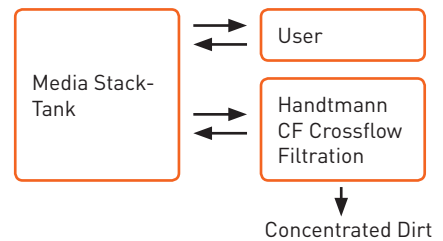
### Plant Control and Monitoring

An user friendly operator software makes adjustment of the processing parameters or evaluation for the data recording possible.



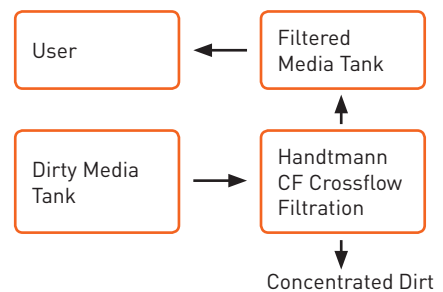
### Partial Stream Filtration

The partial stream filtration of a stack tank caustic solution at a CIP plant keeps a permanent low dirt/contamination level, since the dirt is continuously being removed in concentrated form from the system. The dirt load in the stack tank adjusts itself as equilibrium between dirt entry by the cleaning process and the dirt discharge by the Handtmann CF caustic solution filtration.



### Full Stream Filtration

For the full stream filtration, one tank for the old media solution and one tank for the filtered media solution are required. The result is always "as new" caustic with a consistently high cleaning property.



# YOUR PARTNER.

Made in Germany



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