

APLICATION:

- Recycling of packaging foils
- Water treatment after MBBR – separation of bacteria, viruses, turbidity and particles

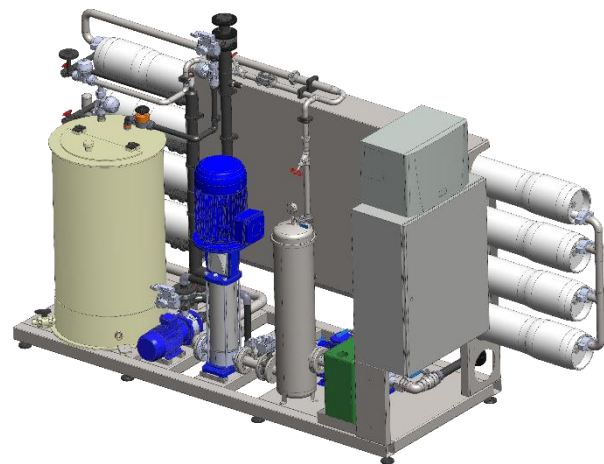
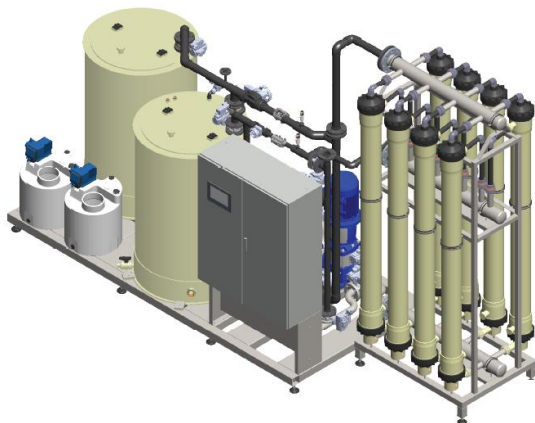
PROCEDURE:

- Prefilter 200 µm
- Ultrafiltration, 8 pcs. polymer membranes, two-street, membrane area 400 m²
- Reverse osmosis (Step 1) for preparation of Permeat from UF
- Antiscalant Dosing for water softener
- Reverse osmosis (Step 2) for preparation of concentrate from RO Step 1
- CIP-station für chemical cleaning
- Fully automatic control

REALISATION: 2020

LOCATION: USA

Parameter/Technical data	
Temperature	40 °C
pH	neutral
Conductivity permeat UO	< 10 µS/cm
Performance permeat UF	10 m ³ /h
Performance permeat RO	7,5 m ³ /h
Working pressure	Max 6 bar
Salt retention	99,8 %
Installed power UF	10 kW
Installed power RO	20 kW



Schema Ultrafiltration and reverse osmosis



Plant overview

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