



Treatment systems for municipale water supply

Process: Ozon biofiltration with hardening and disinfection
Problem: Surface water with high organic content, high content of colour, turbidity and bacterial contamination
City/Country: Kvinnherad Kommune/Norway



Project info:

Capacity: up to 80 m³/h
Equipment: Raw water pumping station with 3 pumps (3 x 40 m³/h),
 1 x Dosage of carbonic acid,
 2 x Ozone systems (280 g O₃ 10% wt),
 2 x Contact columns (Ø = 1300 mm, H = 6000 mm),
 2 x Marble filter (Ø = 2500 mm, H = 4000 mm),
 2 x Biofilter (Ø = 3000 mm, H = 4000 mm),
 2 x UV disinfection (400 J/m²),
 Dosage of chlorine
Process gas: Ozone from oxygen, generated on site
Year of realisation: 2015
Specialities: complete process engineering installation including electrical control system

