

# CASE STORY

## Land-based fish farming EWOS



EWOS Group is one of the world's largest suppliers of feed and nutrition for farmed fish. The company, headquartered in Bergen, Norway, was founded in 1931 and has operation in Canada, Chile, Norway, Scotland and Vietnam.

Ewos Innovation is the R&D company of Ewos Group, focusing on research activities in developing new fish diets for the farming industry, through processing, raw material and nutritional improvements and breakthroughs. In Dirdal, the Norwegian R&D station is located and holds tank and sea cage trials and a technology center to

make and test new materials and diets.

Standardizing and optimization of water quality, in addition to routine operational and sampling procedures are essential in order to conduct high quality fish trials. Precise control of feeding and continuous collection of uneaten pellets gives us a true indication of feed conversion ratio for all the feeds being tested. In order to secure good water quality to the fish tanks a combined system consisting of Bernoulli Filter, UV-sterilizer and flow meter do the job. The two Bernoulli Filters, BSG 300, act as a pre-filter before UV-sterilizers. In this installation the BSG 300 is tailor-made with an outlet nozzle size of DN 350 in order to fit pipe diameter of flow meter and UV-sterilizer.

### Facts and figures

Customer: Ewos Innovation AS

Location: Dirdal, Norway

Application: Pre-filter before UV-sterilizer

Filter model: 2 x BSG 300

Filtration: 0,2 mm

Operating flow: 600 m<sup>3</sup>/h

Operating pressure: 1,5 bar g

Design pressure: 6,0 bar g



**BERNOULLI**  
SYSTEM