

# CASE STORY

## Well boat PATAGONIA WELLBOAT



To reach their target fish in the best physical condition and with less stress, Patagonia Wellboat has a fleet of seven ships specialized for the transportation of live salmon and trout. Patagonia Wellboat is a pioneer in moving services of live fish on board and made the first trip with live fish in 1993 by the ship Patagón I. All ships of last generation well boats have been built in the shipyards of ASENAV in Valdivia, Chile.

In 2012 Patagón VII, a well boat of 1500 m<sup>3</sup> capacity, with the latest technologies for this type of vessel incorporated was built by Asenav

for Patagonia Wellboat. This well boat has movables bulkheads in its fish holds, UV system and sophisticated sanitary control system.

The filter system to treat waste water at Patagón VII holds two Bernoulli Filters, BSG 300 with 300 micron filter baskets, capable of handling up to 2400 m<sup>3</sup>/h. The Bernoulli Filters are installed prior to UV sterilizer at the outlet of the fish tanks. By reducing the load particles the UV sterilisers will work more effectively. The treated water is then disposed in the ocean and the risk of contamination and spread of pathogens is minimized. The flushing water from the Bernoulli Filters is transported to another tank for a process of disinfection by chlorine before it is disposed in the ocean. In this way, all water leaving the well boat it treated.

### Facts and figures

Customer: Patagonia Wellboats

Location: Puerto Montt, Chile

Application: Pre-filter UV  
disinfection

Filter model: 2 x BSG 300

Filtration: 0,3 mm

Operating flow: 2 x 750 m<sup>3</sup>/h

Operating pressure: 1,5 bar g

Design pressure: 6 bar g



**BERNOULLI**  
SYSTEM