

# APPLICATION

## Well boat

Well boats are used to transport live fish in modern fish-farming, both out to the sea-cages and from the cages to the processing plants. By using well boats the live fish can be transported over long distances in a controlled environment and the fish maintains its high quality during transportation to processing plants ensuring high quality and more consistent products.

The biggest challenge while utilizing well boats is to ensure that the storing facilities are hygienic and the water in the containers in which the fishes are housed, are changed periodically. Just like any other aquarium, the water in which the fishes are housed needs to be changed and the right temperature needs to be maintained throughout. But while fresh water is transferred into the housing container, many fishing vessels dump the older water – unclean and contaminated – into the sea or the ocean. This leads to pollution of the entire oceanic ecosystem and potential adverse effects for the aquatic lives contained within it.

A mode to combat this challenge is to install filter systems to treat the waste-water before it is discharged or the water can be recycled after treatment, which allows the boats to go for long periods without discharging water.

The Bernoulli Filter can play an important part in the waste-water filtration system on well boats. By acting as pre-filter before UV-sterilization the Bernoulli Filter removes larger aquatic animals and debris, enabling the UV system to work effectively.

