

# OPTILICE

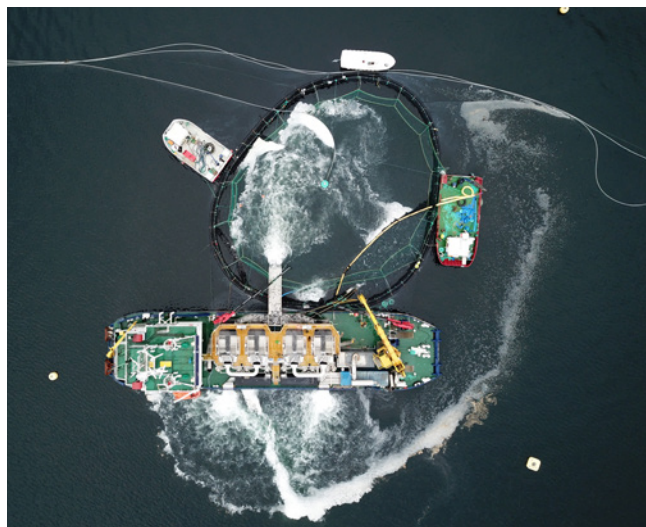
## Removing sea lice without using chemicals or medicals



Optilice is our own unique product for removing sealice from salmon and trout without using chemicals or medicals. Optilice uses only tempered water and a combination of flushing under and over water-level to remove the parasite sealice (*Lepeophtheirus salmonis*) and (*Caligus elongatus*).



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## OPTILICE 4

The fish goes through the system and are bathed in tempered seawater or freshwater holding 28-34°C for 20-30 seconds. Scientific test has showed that 98 % of all mobile pre-and adult sealice, are removed. The treatment using tempered water does not harm or has any negative effect on the fish.

Optilice 4 by Optimar is a thermic, non-medical and sustainable treatment for removing sea lice in Salmon, Trout and Lumpfish. This gentle method requires no use of chemicals or medicals, and is documented to remove 98% of all sea lice up to 36 °C. With many different treatment options in the same kit, we can promise you what we consider the best tool out there.

### Why choose Optilice 4

- Non-chemical and non-medical
- High animal welfare
- Documented effect: 98% of the sea lice removed\*
- Environmentally friendly
- Uses heated and chilled seawater, and heated fresh water
- Adjustable temperature
- Adjustable holding time
- Disinfection
- Easy access, control and cleaning

\*Optilice 4 removes the parasite sea lice (*Lepeophtheirus salmonis*) and (*Caligus elongatus*).

Nofima has documented that in average 98% of all mobile pre-and adult sea lice are removed by this method (ref. Nofima Report No. 59/2016)

### How Optilice 4 works

The fish is pumped from the cage for the Optilice 4-treatment, using the SQ 16 fish pumping system. The fish is counted, and then bathed in temperature-controlled water (-1C – 36 °C seawater or fresh water) in a controlled and time-adjustable time treatment. The underwater circulation of 1000 ltr/sec per line secures a continuous supply of fresh seawater (10 m3/hour per line).

After the treatment, the fish flows back to the cage, and all sea lice are filtered out and destructed. The system comes with an open construction for easy access, control and cleaning, and a flow of fresh seawater in the outfeed-chute/pipe. Optilice 4 provides a reliable, robust and good monitoring of fish welfare. The system can be combined with grading-equipment and is Optimar Commander compatible.