

Aquaculture in Chile

Hydrotech is a world leading supplier of micro screens to the aquaculture industry

Hydrotech have the biggest range of filter models, to meet all requirements at fish farms.

Unique features as:

Patented filter panels

The special structure of panels ensures better filtration and higher capacity than any other system. The standard size can be used for all drumfilter versions (except the small HDF501-1P)

New nozzle tip design, made to last longer with no corrosion problems.

Laser cutting of many essential components in filters, the outstanding fit in moving parts, makes the Hydrotech Drumfilter last longer.

Chile is now a leading aquaculture nation, with record revenues in 2005. Salmon farming has particularly boosted the industry, and continued research and development into new species makes the Chilean market an exciting prospect for Hydrotech and our local distributor, BioLight. We are working together with fish farmers to optimize production and solve environmental issues.

Salmon farming

Traditional flow-through systems are still very common:



Inlet filtration to hatchery and on-growing facilities. Filters are tank versions, HDF1605-1H



Bigger "brood stock" salmon in tanks

Sometimes inlet filtration is necessary as inlet water quality can change during the season. It is also important to filter out some types of parasite. The bigger flow requirement



Outlet filtration from salmon farm. 3 pcs HDF2007-2H (without tank)

for effluent treatment, makes channel installed filter types the best solution.

Recirculated Salmon farms

Water quality in recirculated fish farms can be monitored and controlled very efficiently. The temperature control increases the growth of salmon, and improves production at the facility.



Outlet filtration from salmon farm (HDF1607-2H)



Microscreening

Microscreening is an efficient and reliable technique for separation of particles from all kinds of liquids. The Hydrotech Drumfilter is a mechanical and self-cleaning filter specially designed with a view to achieving high performance in systems where it is essential to prevent the particles from fragmentation, as high visibility in the water is important.

Flow capacity in filters:
up to 1000 l/s per filter.

Filter openings:
10 to 1000 µm.



Drumfilter model HDF2007-1A in a recirculated salmon farm

Drumfilter model HDF2007-1A, in a recirculated salmon farm. The -1A version has been developed to reduce installed space requirement.

Other species

Aquaculture in Chile has also diversified into other species than the more traditional salmon farming. The primitive marine snail, abalone sp., have become quite popular, today there are several farms especially in the north of Chile. Turbot, especially the Europe-



The tasty red abalone



Outlet filtration from Abalone farm

an variety, is farmed at several farms in Chile. Many marine fish species are difficult to farm, as their larvae stages are very small and delicate.



Turbot at feeding time



Scallops

Now, new hatchery technologies have been developed which have facilitated the commercial farming of many new marine fish species.



Inlet filtration, marine hatchery

This exciting evolution of the Chilean aquaculture industry has positioned the country as one of the largest fish farming nations in the world. ■