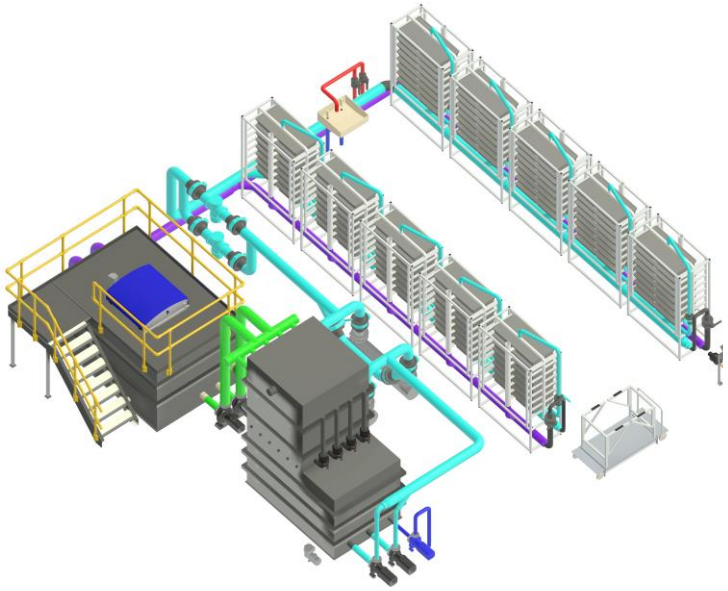
NAC – Hatchery CONCEPT

RAS/flow-through setup followed by mechanical filtration, biological filtration, oxygenation, UV treatment, and main circulation pumps. Scalable and adjustable.



Supports system follows:

1) Cooling system.
2) pH regulation system.
3) Oxygenating injection and control system.
4) Emergency oxygen system.
5) Mechanical filtration
6) UV treatment

Description

The technology has been successfully implemented for the optimization of conditions during hatchery. The eggs are received in the hatch batch units and incubated through the best water quality until hatching.
The system operates with a range of temperature of 2-8 °C at 0% of salinity. It can be designed for fully RAS, fully flow-through or combined.

Water parameters fluctuate throughout the year due to seasonal changes. Closed recirculation system helps maintain constant factors, such as temperature, to ensure optimal egg development and hatching

Specifications case

Parameter	Hatchery
Temperature (°C)	2-8
Salinity (‰)	0
Number of Hatch batch units (pc.)	10
Hatch batch unit Volume (m3)	0,4
Total Hatch batch unit Volume (m3)	4
Water flow per unit (m3/h)	6
Total water flow per unit (m3/h)	60
Water exchange (times/h)	15
Retention time (min.)	4
Daily water exchange (m3/day)	100

Mechanical filtration and oxygenation are achieved through our latest RAS module technology.

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