

Leaflet

HatchTech Reverse Osmosis System

Although the impurity levels in water vary greatly from region to region around the world, untreated water from anywhere can cause scale build-up in those parts of your hatchery where water is used. This scale build-up occurs not only on surfaces such as walls or ceilings, but also inside the equipment and other system components that are difficult to clean. The fewer impurities there are in the water you use in your hatchery, the less time and effort you will have to spend on removing the build-up of lime scale and other mineral deposits. In short – it is all about prevention.

- Complete system to provide perfect water quality
- Reduces maintenance time and costs
- Prolongs equipment lifespan

HatchTech makes it easy with the specially developed Reverse Osmosis System, which provides perfect water quality for your hatchery, and prevents scale formation in the first place. This significantly decreases maintenance requirements and costs, and prolongs the lifespan of your equipment.

Reverse Osmosis technology

The Reverse Osmosis System utilizes a very fine membrane to filter calcium, other minerals and impurities from the water.

The particles that are not able to pass through the membrane are discharged with the waste water. The resulting water that is distributed to the equipment in the hatchery is pure and clean, and meets the most stringent quality specifications. What is more, it is also a very environmentally safe and friendly method of water purification, since no chemical products are involved in the reverse osmosis process.



HatchTech

Reverse Osmosis System

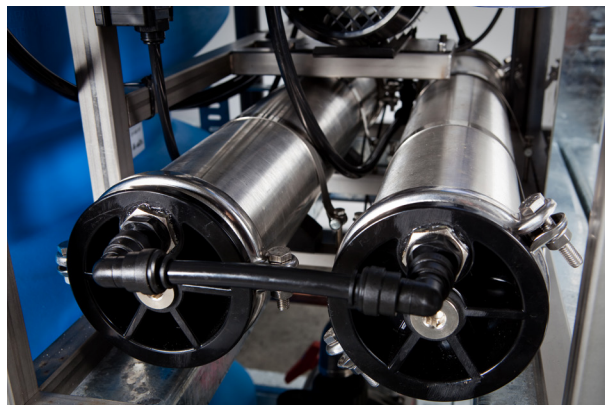


How does it work?

- Before water is distributed to equipment inside the hatchery, it enters the Reverse Osmosis System.
- Inside the system, the first step is decalcification: the water passes a scale filter in order to extract as much calcium as possible.
- The decalcified water then passes through the special reverse osmosis membrane.
- The special membrane separates all the minerals and other particles from the water.
- The remaining water containing the extracted particles and minerals is discharged as waste water.
- The pure, filtered water is now free of minerals, but this gives it undesirable corrosive properties: therefore, the next step is to add non-scale producing minerals back to the water to give it the optimal level of hardness.
- The water is sent to a buffer tank.
- Pumps within the Reverse Osmosis System draw water from the buffer tank and distribute it to where it is needed in the hatchery.

Everything you need

HatchTech delivers not only the Reverse Osmosis Unit itself, but also the complete package of equipment necessary for every part of the process,



including a decalcification unit, sensors, pumps, piping and other components required to store and distribute the optimized water.

Reduces maintenance time and costs

Cleaner water means less maintenance! Scale build-up – whether it is from calcium or other minerals – is difficult to clean from surfaces, and removing it takes prolonged effort, as well as expensive chemicals. Using water of optimal quality for the equipment in your hatchery means less – and easier – cleaning, which translates into savings in terms of both time and money.

Prolongs equipment lifespan

Water runs through certain areas in hatchery equipment where cleaning is particularly difficult – if not impossible! When you use perfect-quality water, you will have much fewer problems in these often problematic areas. It protects equipment and piping from corroding or clogging, and can therefore substantially prolong their lifespan.

Technical specifications

Capacity: 250 liter/hour

Dimensions (w × d × h): 1910 × 850 × 1440 mm