

**'COMPLETE THE CYCLE,
RETURN TO WATER.'**

**HDL | BESTIA
HDL | ANDRON**



 **AQUASOLVE**
The green way to go.

'SUSTAINABILITY IS TREATING OURSELVES AND OUR ENVIROMENT AS IF WE ARE TO LIVE ON THIS EARTH FOREVER.'

HDL HYDROLYSER®

The HDL Hydrolyser® is developed by Aquasolve®, a Dutch company located in Landgraaf. The Hydrolyser® is suitable for resomating human or animal tissue. Resomation is the chemical process known as alkaline hydrolysis. This is a technique in which the remains of a human or animal are dissolved in hot water using potassium hydroxide. Another term for this process is water cremation.

Resomation is an alternative and, in particular, an environmentally friendly method of body disposition. Scientifically, it has been proven that the alkaline hydrolysis process emits significantly less carbon dioxide (CO₂) than the conventional methods of burial and cremation. As a result, resomation deserves considerable attention in today's world.

The Hydrolyser® itself does not emit any CO₂. Aquasolve® aims to make a positive contribution to CO₂ reduction and the greenhouse effect through the (continued) development of the Hydrolyser®.

Aquasolve® has developed two versions of the Hydrolyser®, namely the HDL BESTIA and the HDL ANDRON. The HDL BESTIA is used for water cremation of animals. The HDL Andron is specifically designed for humans.

Resomation of humans is allowed in an increasing number of countries. Legislation is changing rapidly because the benefits of alkaline hydrolysis are evident. It is expected that the Dutch Burial Act will be amended in 2024 to accommodate resomation. It is believed that resomation is the future.

BENEFITS

Using the Hydrolyser® from Aquasolve® puts less strain on resources that are becoming scarcer over the years. It also generates fewer harmful emissions. The emissions of harmful substances are significantly lower than with burial or cremation. Sustainable Aquasolve® body disposition also doesn't require space, as is customary with burial. After the process, the remains are comparable to the ash after a regular (flame) cremation.

Aside from the fact that water cremation is sustainable, a high degree of safety is also achieved through alkaline hydrolysis. After all, our process of body breakdown does not involve the release of substances harmful to humans and the environment.

SAFETY

Aquasolve® emphasizes that the process takes place at atmospheric pressure and at temperatures far below the boiling point, which enhances safety. The Hydrolyser® also presents minimal risks during operation. So, not only is it environmentally safe, but it's also safe for the people operating the Hydrolyser®. Working under low (atmospheric) pressure and low temperature, as prescribed by Aquasolve®, results in sterile effluent. A team of scientists, including a professor and two independent biochemists, demonstrated that even traces of *Geobacillus Stearothermophilus* are destroyed during the resomation process performed in our Hydrolyser®.



'COMPLETE THE CYCLE, RETURN TO WATER.'

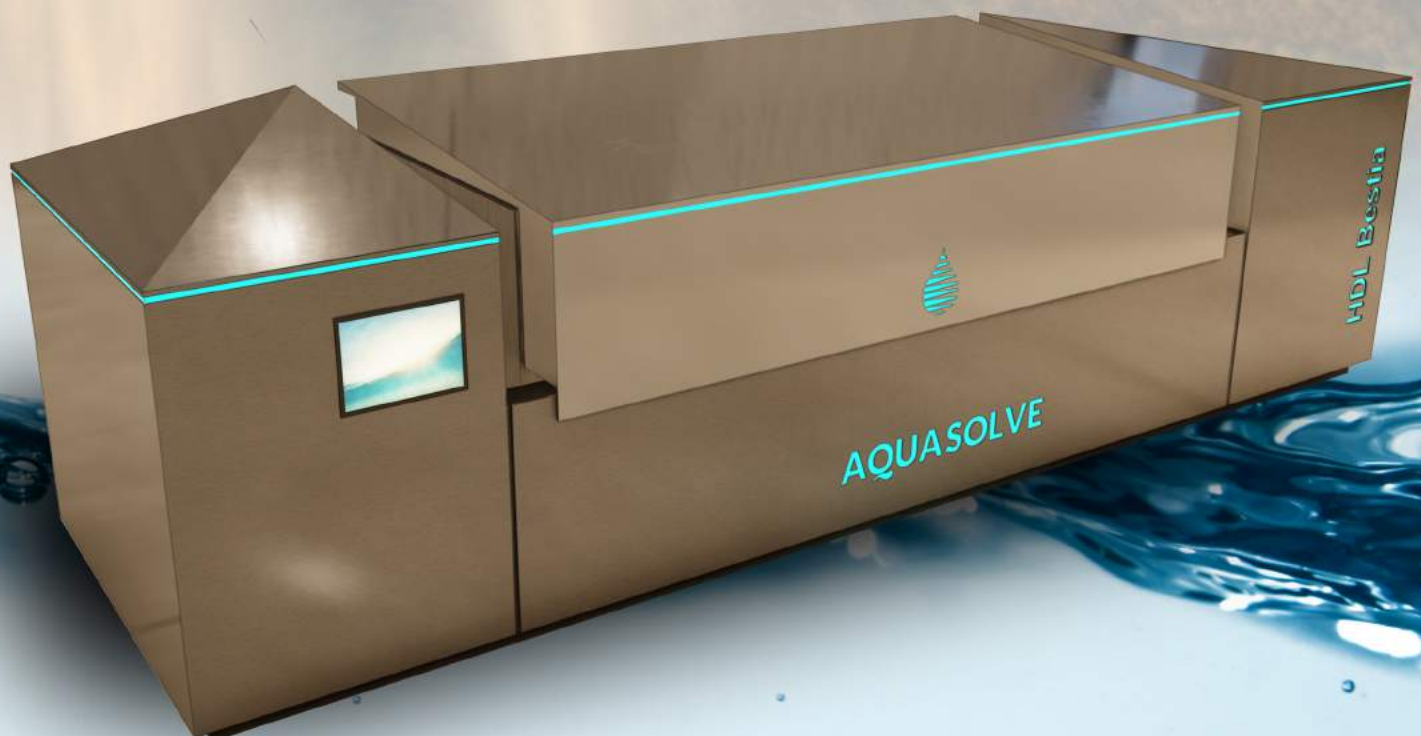
Even the disease Creutzfeldt-Jakob is completely neutralized and destroyed. Aquasolve® commissioned this research to dispel any doubts about the safety and sterility of the Hydrolyser® and the natural byproduct called effluent.

COSTS

Our Hydrolyser® uses water in combination with biodegradable substances to perform the patented process. These are chemicals that are automatically added in a specific sequence and a patented amount during the process time. Although water is a significant part of the required substances, it is the chemicals that determine the process costs. In addition, electricity is used for the process. Aquasolve® can provide support to its customers regarding Hydrolyser® maintenance and can assist its customers with all the necessary substances for the process if desired.

ADVANTAGES

- Self-developed unit
- Patented process and design
- Made in the Netherlands
- Pressureless
- Low temperature
- Process time approximately 4.5 hours depending on total mass
- Prosthetics in the body pose no problem
- Clean bone fragments remain
- Process water is rich in natural nutrients
- Suitable for disposal via drainage system
- Unique process leaves no fatty residues
- No CO2 emissions
- 50 Amp power connection sufficient
- Energy-efficient



'WASTE IS NO WASTE
UNTIL WE DECIDE
TO WASTE IT.'

