

SOURCE magazine

SMART WATER TREATMENT

ESILL®



Electrolysis: A new beginning

ESIL water technology uses electricity for the purification and disinfection of water. The equipment used in ESIL water technology consists of electrolytic cells containing anodes and cathodes. The anodes and cathodes are positioned in close proximity to each other allowing for a very high density of electricity across the gap. Low-voltage direct current (DC) is applied as water continuously flows through a labyrinth of holes in the cathodes

ESIL WATER TREATMENT SYSTEMS

GREEN TREATMENT MADE EASY



"Water is life: ESIL's green technology makes sure it's not wasted."

Do you know what's in your drinking water? Is all water the same? Did you know that the water you are drinking contains pharmaceuticals that municipalities cannot remove (and have never been designed to do so)? Did you know that you are potentially drinking parasites, bacteria, heavy metals, carcinogens and DNA altering chemicals?

In the early 90's, a research and development company headed up by Brian Cook of St. Catharines, ON began the process of revolutionising the electrolytic cell. Previously proven as a superior water treatment method, in the late 1800's-early 1900's, electrolysis was abandoned due to limitations of cost, flow rates, maintenance and material breakdown. Cook's new design allowed for continuous flow through his cells. Coupled with advancements in alloys and coating technologies, the ESIL system was patented worldwide in 1992, and so ESIL water began researching its new product. At the time of writing, ESIL has performed over 30,000 lab

tests and developed products using electrolysis to purify drinking water for every market sector. These ESIL systems desynthesize organics, coagulate in-organics and eliminates and desynthesize bio chemicals. The technology allows for retention of natural minerals and maintains a pH balance of 7.1-7.5. During the water treatment process there are no harmful side effects or by products. Therefore, unlike all other treatment systems, ESIL claims a very small carbon footprint.

An ESIL system treats water in real time, uses no membranes or chemicals and removes bacteria, viruses, pathogens, heavy metals, chemicals and pharmaceutical products from our water.

ESIL
WATER

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CAMBRIDGE, ON

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YEARS OF RESEARCH & DEVELOPMENT

Have proven that ESIL Water is the leader in drinking water disinfection and contaminant removal, while leaving natural mineral content unaffected.



Made in Canada



The Past into the Present

ESIL now operates as the head office for distribution licensing, both internationally and locally. The company also has a production facility in Cambridge, Ontario and services various market sectors such as residential, agriculture (crop growers, cattle producers, dairy, poultry..etc) hydroponic industries and the health sector.

The scope of ESIL technology is enormous, and news of the companies developments and products have already spiked interest and negotiations for licensing in India, Brazil, the U.S and for world wide exclusivity in certain markets. The apparent simplicity of ESIL's electrolysis units is disguised behind 25+ years in research (where over 30,000 lab tests have been conducted) and development. Products are now available to service ESILs target markets of agriculture, residential and growers. Large high demand systems have also been easily designed, thanks to the technology being modular and ready to scale up or down to meet water quantity demands.

In the last decade, the topic of water treatment has begun to

gain the attention of the public, industrial companies and independent businesses. The types of contaminants that are now present in our water supply present huge challenges to municipalities. For example, the treatment plants do not remove all pharmaceutical products as they were never designed to do so. Advances in technology can now indicate greater amounts of contamination, which means point of use home water treatment (even after municipal treatment) have been recommended by health organizations and leaders in the water/health world.

In a market that is soaked with water treatment products, it's important to know what works, what doesn't and to ask the right questions.

ESIL is the answer to drinking water questions. pH balance and minerals but with no bacteria, viruses or pathogens, no heavy metals and no chemical contamination.

NO OTHER FORM OF WATER TREATMENT CAN CLAIM THIS BALANCE

ESIL WATER

THE GOOD THAT REMAINS

PIONEER

SUCCESS

WE CREATED
**ELECTROLYSIS
WATER
TREATMENT**

 pH balanced
 minerals

ESIL 

 bacteria
 heavy metals
 chemicals
 waste

Tomorrow's solution, TODAY

ESIL Water is proud to present tomorrow's solution to water reuse and purification. ESIL's state-of-the-art electrolytic cell removes heavy metals, chemical compounds and bacteria, viruses and pathogens while leaving behind natural, healthy minerals.

THE BEST OF THE BEST
**COMPARING
THE REST** 

HOW GOOD IS ESIL?



-  DESTROYS AND REMOVES BACTERIA, VIRUSES, PATHOGENS
-  ION BONDS AND REMOVES HEAVY METALS
-  DOES NOT REMOVE MINERAL CONTENT



Better for you, better for the environment. Contaminants are destroyed, broken apart or inert. They will never again return to our water cycle



Increases efficiency of other water technologies, like water softeners, REPLACES technology like Reverse Osmosis, distillation and U.V



More efficient: ESIL water systems do not waste any water, treat in real time at a cost of pennies per month.

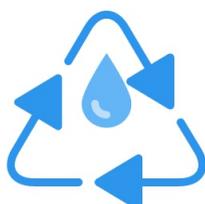
ESIL FOR YOU

ESIL provides water conditioning solutions, removing contaminants added by human activity, constant recycling and industrial pollution. pH neutral drinking water with natural mineral content.

FOR HEALTH

RE-USE

& ENVIRONMENT



ESIL - THE GOOD THAT REMAINS

**WATER
MADE EASY**

ESIL has taken a proven concept known as "electrolysis" and developed a continuous flow process capable of producing drinking water from a range of contaminated water sources. ESIL has created a water treatment process that can change the way the world views water. This revolutionary ESIL technology has the ability to bring clean water to the entire world.

How ESIL impacts agriculture markets



From increased milk yield, butterfat and feed conversion to healthier herds and optimization, ESIL's groundbreaking technology unlocks hidden potentials.



AGRICULTURE

Production of high quality products requires control of high quality inputs at every stage. Water quality is a critical component of success.

ESIL removes heavy metal contamination, chlorine, pharmaceuticals and chemicals while destroying bacteria, viruses and pathogens. An ESIL system does all of this, while leaving the natural mineral content in the water. It is a conditioning system that takes any source water, treats in real time with NO wasted water, operates on pennies per month, is easily maintained and cost effective.

NOTABLE IMPROVEMENTS

In dairy barns, the trends are showing higher milk production, higher butterfat content and healthier herds due to better feed conversion and less work on the cows' part to filter contaminants out of their system. With Poultry we see similar results, better feed conversion and daily gains, faster maturation, less days consuming feed, lower condemned rate and lower mortality rates. The results are brought about by removing contaminants that compete for oxygen to provide pH balanced and minerally stable water that has no poor taste or odour characteristics. Animals prefer drinking ESIL water, and in return they perform better for the operation.

Cows that drink water treated with ESIL convert feed better, drink more water and produce more milk without sacrificing butterfat content. Poultry farmers are granted better daily gains and faster maturation with less mortality and condemned rates.

