

SHRIMP CULTURE

EFFICIENT AND CHEMICAL-FREE UV DISINFECTION



ULTRAAQUA
UV DISINFECTION SYSTEMS

WWW.ULTRAAQUA.COM

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WORLD LEADER IN SHRIMP & AQUACULTURE UV DISINFECTION

SHRIMP & AQUACULTURE UV DISINFECTION SYSTEMS

ENVIRONMENTALLY FRIENDLY & CHEMICAL-FREE DISINFECTION OF WATER

UNIVERSAL SHRIMP



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UV DISINFECTION GREATLY REDUCES THE NEED FOR CHEMICALS AND MEDICINES IN SHRIMP PRODUCTION
- and is an effective barrier against harmful bacteria and viruses

Automatic ULTRAWIPER™ system reduces maintenance by keeping quartz sleeves and UV sensor clean without disrupting disinfection

16000 hours lamp lifetime with ULTRATHERM™ lamps
- saves time and money

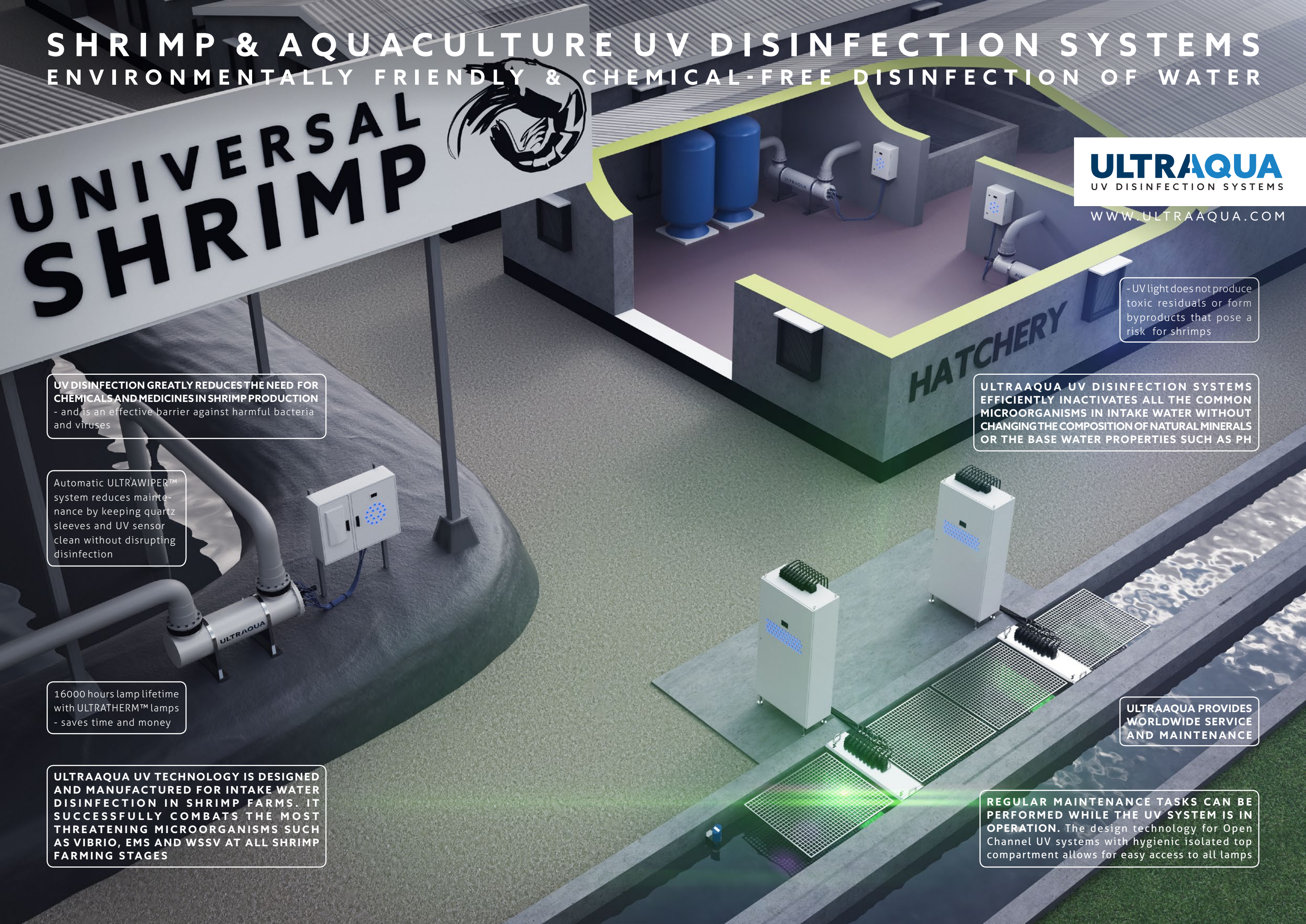
ULTRAAQUA UV TECHNOLOGY IS DESIGNED AND MANUFACTURED FOR INTAKE WATER DISINFECTION IN SHRIMP FARMS. IT SUCCESSFULLY COMBATS THE MOST THREATENING MICROORGANISMS SUCH AS VIBRIO, EMS AND WSSV AT ALL SHRIMP FARMING STAGES

- UV light does not produce toxic residuals or form byproducts that pose a risk for shrimps

ULTRAAQUA UV DISINFECTION SYSTEMS EFFICIENTLY INACTIVATES ALL THE COMMON MICROORGANISMS IN INTAKE WATER WITHOUT CHANGING THE COMPOSITION OF NATURAL MINERALS OR THE BASE WATER PROPERTIES SUCH AS PH

ULTRAAQUA PROVIDES WORLDWIDE SERVICE AND MAINTENANCE

REGULAR MAINTENANCE TASKS CAN BE PERFORMED WHILE THE UV SYSTEM IS IN OPERATION. The design technology for Open Channel UV systems with hygienic isolated top compartment allows for easy access to all lamps



ULTRAAQUA UV DISINFECTION SYSTEMS PROVIDES ULTIMATE PROTECTION AGAINST HARMFUL VIRUSES AND BACTERIA

WHITE SPOT SYNDROME VIRUS (WSSV)

One of the most common, lethal viruses with no cure after occurrence. Through oral and physical contact transmission, this virus can wipe out 100% of the stock within 2 weeks after the first signs of infection. Originally coming from Taiwan, today it is the biggest threat for penaeid shrimps and prawns worldwide

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INFECTIOUS MYONECROSIS VIRUS (IMNV)

Spread through shrimp cannibalism as well as seabirds faeces. Well organised disinfection system has proven to be effective in reduction of risk for infection

VIBRIO DISEASE OF CULTURED SHRIMP

has already cost shrimp farmers \$3 billion per year with mortality rate 100% in early stages of shrimp development. Usually infection is directly related to poor sanitation and feed

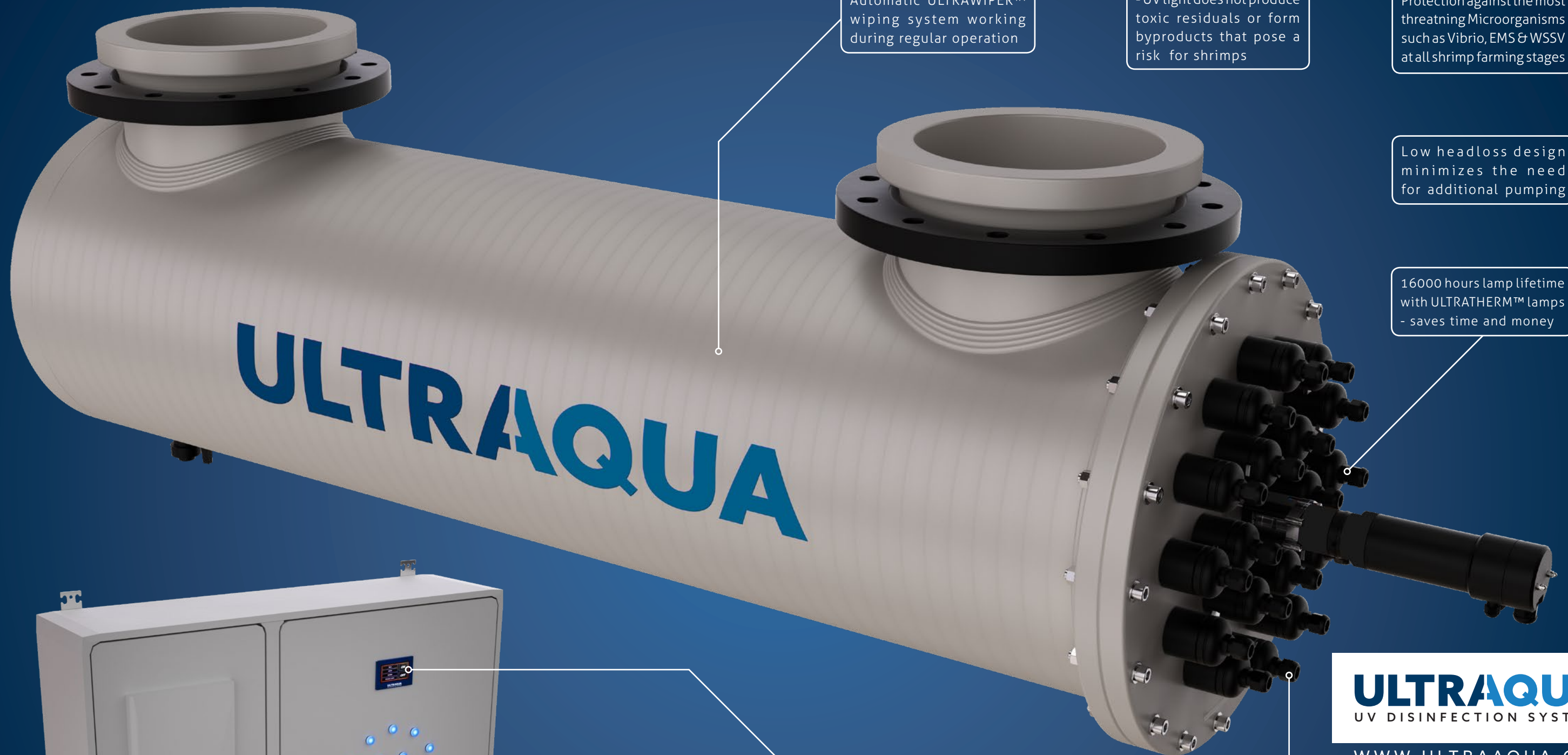
TAURA SYNDROME VIRUS (TSV)

Originating from South America, TSV usually attacks vannamei shrimp. It is extremely acute as first signs of infection can appear as little as 7 hours later after the contact. Mortality rate after infection is 95%. The most usual way of transmission is through acts of cannibalism of already dead shrimp, yet it can also be spread through seagulls and other aquatic insects to other farms. Survivors of TSV are lifelong carriers of the disease

EARLY MORTALITY SYNDROME BACTERIA (EMS)

Originating from China and highly mortal it can reach 100% of death rate of population within first 30 days. The virus is transmittant orally and slowly destroys shrimp's digestive organs. It can simply manifest in ponds due to poor pH regulations, therefore good cultivation practices are the key to safety

ULTRAAQUA UV DISINFECTION SYSTEMS



Automatic ULTRAWIPER™
wiping system working
during regular operation

-UV light does not produce
toxic residuals or form
byproducts that pose a
risk for shrimps

Protection against the most
threatening Microorganisms
such as Vibrio, EMS & WSSV
at all shrimp farming stages

Low headloss design
minimizes the need
for additional pumping

16000 hours lamp lifetime
with ULTRATHERM™ lamps
- saves time and money

The control cabinets are
always made from non-
corrosive materials with
passive or active cooling
in order to protect the
electronics in the cabinet
from humidity and dust

ULTRATOUCH™ control
system reflects "what you
need to know when you
need to know it" design
philosophy

**OPTIMIZED POWER CONSUMPTION WITH
ADVANCED ULTRADOSE™ PACING TECHNOLOGY**
ULTRATHERM™ lamp power is adjusted automatically
based on disinfection demand

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