ULTRAQUA

UV

DISINFECTION SYSTEMS
Established 1997
Founders/owners Gronborg, Skjoelstrup
Location Aalborg, Denmark
Turnover 2015 8,3 Mio. USD (Ultraqua-InBlue)
Annual growth 15-20%
Employees 25
Production 300 UV-systems/year (5-1000 m3/h)
Ultraaqua is a well-established research based manufacturer of high-quality UV systems.

Main markets:
- Industrial water (aquaculture)
- Wastewater
- Swimming pool water

Special applications such as photochemical oxidation
Lamp technology

Products

ULTRAQUA
MR32-220SS Channel

Water level
MR42-350PP Channel
Advanced
Medium pressure products
## CLOSED VESSEL STAINLESS STEEL REACTORS
### MAIN SPECIFICATIONS

#### 75 AND 220 SERIES. REACTOR LENGTH 1300 MM

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<tbody>
<tr>
<td>Max flow m³/h</td>
<td></td>
<td>8</td>
<td>37</td>
<td>150</td>
<td>225</td>
<td>340</td>
<td>490</td>
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<tr>
<td>Power</td>
<td></td>
<td>0,08kW</td>
<td>0,25kW</td>
<td>1,0kW</td>
<td>1,5kW</td>
<td>2kW</td>
<td>3,0kW</td>
</tr>
<tr>
<td>Inlet/outlet</td>
<td></td>
<td>1½” BSP</td>
<td>DN100</td>
<td>DN150</td>
<td>DN200</td>
<td>DN200</td>
<td>DN250</td>
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#### 350 SERIES. REACTOR LENGTH 1800 MM

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<tbody>
<tr>
<td>Max flow m³/h</td>
<td>58</td>
<td>240</td>
<td>360</td>
<td>540</td>
<td>780</td>
<td>950</td>
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<tr>
<td>Power</td>
<td>0,4kW</td>
<td>1,5kW</td>
<td>2,2kW</td>
<td>3,0kW</td>
<td>4,5kW</td>
<td>6,0kW</td>
</tr>
<tr>
<td>Inlet/outlet</td>
<td>DN100</td>
<td>DN150</td>
<td>DN200</td>
<td>DN250</td>
<td>DN300</td>
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# CLOSED VESSEL POLYPROPYLENE REACTORS

## MAIN SPECIFICATIONS

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<td>1,0kW</td>
<td>1,5kW</td>
<td>2kW</td>
<td>3,0kW</td>
<td>4,0kW</td>
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<tr>
<td>Inlet/outlet</td>
<td>2” BSP</td>
<td>DN100</td>
<td>DN150</td>
<td>DN150</td>
<td>DN200</td>
<td>DN250</td>
<td>DN250</td>
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### 350 SERIES. REACTOR LENGTH 1800 MM

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<td>4,5kW</td>
<td>6,0kW</td>
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<td>DN200</td>
<td>DN250</td>
<td>DN300</td>
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LARGE SCALE REFERENCES > 1000 M3/H

- GHANTOOT, UAE
- FISH FARM LLC, UAE
- COOKE AQUACULTURE, CANADA
- AQUAPORT, CANADA
- CAT LAB, CANADA
- NAMGIS FIRST NATION, CANADA
- VALDIA, RUSSIA
- ANIRINA, RUSSIA
- SHERIFF, MOLDOVA
- CAMANCHACA, CHILE
- SALMONES HUMHOLT, CHILE
- INVERTECH, CHILE
- MARINE HARVEST, CHILE
- SALAMONES CHAICAS S.A, CHILE
- HUON AQUACULTURE GROUP, AUSTRALIAN
- XINJIANG SALMON, CHINA
- YANTAO SALMON FARM, CHINA
- JURASSIC, POLAND
- LEROY BELSVIK, NORWAY
- TROMS MARIN YNGEL, NORWAY
- SALMAR FOLLAFOSS, NORWAY
- NAMDAL SETTEFISK, NORWAY
- VILLA SMOLT, NORWAY
- MARINE HARVEST, NORWAY
- SMØLA KLEKKER OG SETTEFISK, NORWAY
- LAKELAND SMOLT, SCOTLAND
- AALAND FISKODLING, FINLAND
- POLARFISH OY, FINLAND
- CAVIAR EMPIRIK, FINLAND
- EMSLAND FISCHZUCHT, GERMANY
- ALBE FISHFARM, GERMANY
- NIJVIS B.V, NETHERLANDS
- SHERIFF, MOLDOVA
- DANISH SALMON, DENMARK
- BIOMAR, DENMARK
- AQUA PRI, DENMARK
- ROYAL DANISH SEAFOOD, DENMARK
- LANGSAND SALMON, DENMARK
- FAROE SALMON, FAROE ISLAND
- BAKKAFOST, FAROE ISLAND
- PLATTE RIVER STATE FISH HATCHERY, USA
- KASPERSKIAN AG, SWITZERLAND
- FRUTIGEN, SWITZERLAND

- Supply of more than 1000 UV systems installed worldwide.
During the past 10 years we have constructed more than 1000 filtration systems specially designed for a wide range of different fluid disinfection applications.

The main design criteria for all our systems are:

- Save energy and water
- User friendly interface
- Fully automated system with a minimum demand for service
- High quality components for a long life time.
- Options for training, service package, remote support.
- Customized systems
where is inBlue AB located?
InBlue was founded in 2010 by ULTRAQUA and Jysk Svommebadsteknik A/S. It is a scientific-based engineering company, selling key equipment and engineering to achieve the healthiest bathing water in the world. InBlue offers a highly innovative, intelligent pool treatment concept.
inBlue AB

Main focus

Ultraaqua Medium pressure

Other filters
ULTRAQUA

References

R&D
INTELLIPOOL project aim is to develop technology solutions to eliminate the severe adverse health effects caused by chlorinated disinfection by-products (DBP) in recreational bathing water facilities and simultaneously save energy, chemicals and water associated with pool water sanitation.

INTELLIPOOL consortium consists of:
VES Andover Ltd (UK), Electrocell (Denmark), Swan Switzerland, DHI (Denmark), Virtualpie LTD (UK), Stadt Mannheim (Germany), Acondicionamiento Tarrasense Association (Spain), Deutsche Gesellshaft für das Badewesen (Germany) and Heidelberg University Germany).

http://cordis.europa.eu/project/rcn/191794_en.html
R&D References, new projects

• Inno+VIP 13.1 MEUR R&D project

2015-2020

Water efficient industrial production.
INNO+VIP project aims is to develop and optimize technology solutions to minimize fresh water usage in industrial production.

INNO+VIP partners:

R&D References, ongoing

2014-17
UV Disinfection of colostrum without harming antibodies
Partners: ColoGuard A/S, Aarhus University

2014-16
Advanced oxidation (UVO3) of dairy waste water from cheese production
Client: Arla Dairies

2011-2014
Removal of pharmaceutical residuals and inactivation of multiresistant bacteria in hospital waste water.
Client: Grundfos A/S, Herlev Hospital Copenhagen

2009-2013
OxyClean and RayClean
Ballast Water treatment systems
Clients: Maersk Shipping, Desmi A/S
Experts in fluid disinfection