

OZTEK[®]

ADVANCED OXIDATION PROCESS

The cost-effective, environmentally sound way to treat contaminated water

Ketek's OZTEK[®] Advanced Oxidation Process is designed to oxidize contaminants using high oxidation potentials of Oxygen (O_2), Ozone (O_3) and UVC radiation. The combination of oxidation reactions are customized to the water quality and quantity in the reaction zones.



**REDUCE HEALTH
& SAFETY RISKS**



**ENVIRONMENTALLY
FRIENDLY OPTIONS**



**POTENTIAL FOR
OPERATING COST
SAVINGS**

Ketek's OZTEK[®] modular design and use of micro-bubble techniques reduces organic and inorganic contaminants without costly chemicals.

- ✓ CUSTOMIZED DESIGN TO SITE-SPECIFIC WATER QUALITY AND QUANTITY
- ✓ STRATEGIC APPROACH TO ON-SITE WATER MANAGEMENT



**KETEK
GROUP**

Results Driven.

...for on-site performance demonstration

Features

Integration of Modular Systems from Pump to Discharge

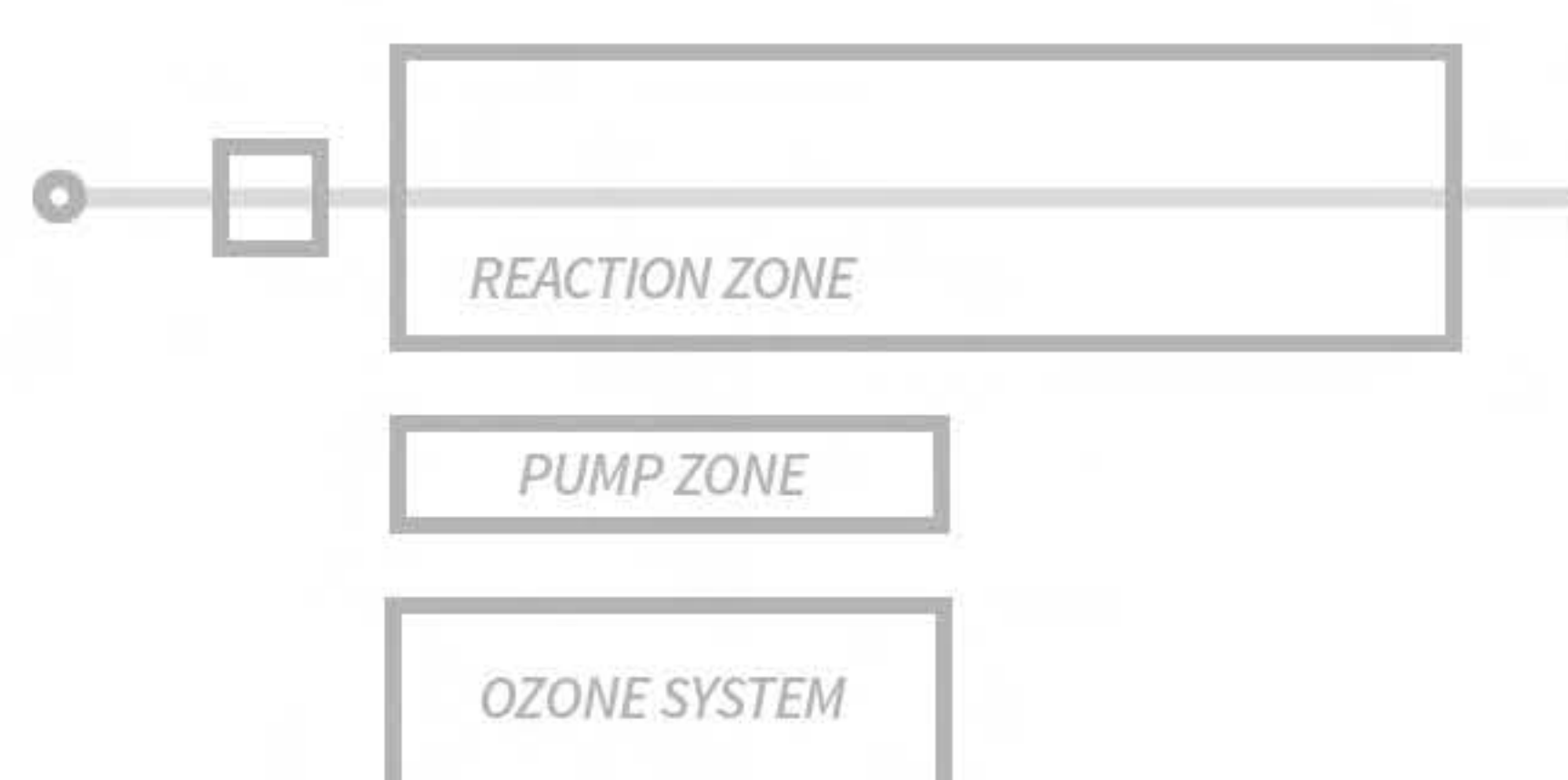
- Wellwater pump control
- Power supply optimization
- OZTEK[®] treatment with ozone generation system
- Discharge piping to pond

Cost Benefit Potential

- Chemical elimination
- Safety risk reduction
- Capital cost competitive
- Operating cost options

Footprint Per Modular Unit

- Reaction Zone: 40' x 20' x 10'
- Ozone System: 20' x 10' x 10'
- Pump Zone: 20' x 3' x 2'



Power Requirement

- 36 kW power

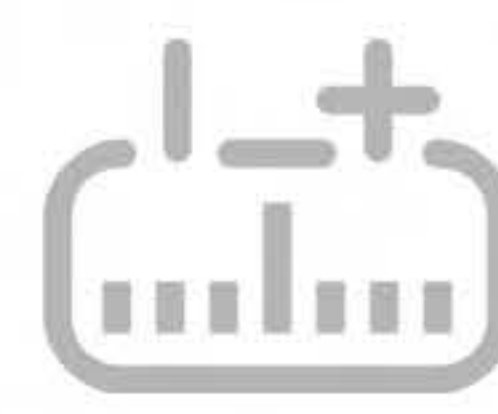
CAPACITY PER MODULE UNIT



Water Flow
1m³/min



pH
Optimum



Water Temp
5 to 20 °C



Reaction Rate
Up to 30 minutes

Associated Ketek Services

Modular Services

- Well-pump installation
- Intelligent Pump Control System
- On-site Power Generation
- Protection systems (NGR)
- OZTEK[®] Treatment System
- Pumps and piping
- Telemetric cloud-based analysis and process control options

Equipment Solutions (Fit-for-purpose)

- Design
- Engineering
- Fabrication
- Transportation
- Installation on-site
- Commissioning
- Operation and Maintenance services



Contact Ketek
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Visit
ketek.ca