



UET WATER
TECHNOLOGIES
— water & environmental solutions

**WATER AND WASTE WATER TREATMENT SOLUTIONS
MINIMUM LIQUIDS DISCHARGE (MLS) & WATER RE-USE
INDUSTRIAL WATER & SEAWATER DESALINATION**



www.uetwater.com

WATER TREATMENT



MEMBRANE FILTRATION PROCESS

- Treatment of municipal & industrial water, well/river water, seawater & waste water for reuse
- Membrane Process Plants from 300 to 30,000 m³/day
- Reverse Osmosis Systems
- Desalination
- Nanofiltration
- Ultrafiltration
- Electrodionization for ultra pure water
- Increase energy efficiency, production output & membrane performance

WATER FILTRATION

- Biomax Media (5-10 micron)
- Carbon Filtration
- UV Sterilization
- Ozone Sterilization

UET OZONE GENERATORS FOR WATER STERILIZATION



The UET WATER ozone generating systems are designed and sized to cover a wide range of commercial applications. Rugged – Robust – High Efficiency - Cost effective.

Cabinet mounted with capacities up to 168 g/hr in oxygen. The units are shipped complete with a separate oxygen generator, and optional controls and accessories to meet the project requirements such as contacting vessels, ozone injectors, pumps and ozone monitor.

Sample Interior of Ozone System Cabinet



ADVANCED QUALITY AIR



WASTE WATER TREATMENT

- Compactworks® Process
- Bioworks® Process
- ASBR and MBBR Process
- Dissolved Air Flotation (DAF)
- Clarifiers

COMPACTWORKS® MIRACEL® (MODULAR / EXPANDABLE WASTE WATER PLANTS RBBR)

- Efficient “Rotating Biological Contactor” (RBC) – Special disks are connected to a motor with a VFD at very low speed
- Minimum power and space requirements
- Quiet & Odorless
- Fully Automatic - for domestic and Industrial use, from 50 to 2,000 people
- Up to 80% less power and 67% less space than other competitor technologies

SOLUTIONS FOR YOUR WATER AND PRODUCTION EFFICIENCY



BIOFILM PROCESS CFIC® & MBBR CFIC®: INTERMITTANT CLEANING AND CONTINUOUS FLOW MBBR

BIOFILM CFIC®'s technology is the biological growth in polyethylene pieces. CFIC® provides a protective surface area for microbes to grow and can handle extremely high loads of wastewater without causing any clogging issues.

The low footprint and the design of the process makes this much more versatile than existing solutions, making it very suitable for a wide range of existing PTARs.

Mobile Containerized RO Water Systems



BIOWORKS® PROCESS

- Low loaded activated sludge process - Compact construction design - all in one basin
- Excellent aeration efficiency by the use of OXIWORKS® aerators and easy maintenance by the use of OXIRISE® system
- Flexible process operation simultaneous nitrification / denitrification by the use of DYNEX®



- Cost savings on civil works. Construction of tanks as earth basins using HDPE-lining

AWT TECHNOLOGIES ASBR (ADVANCED SEQUENTIAL BATCH REACTOR PROCESS)

- Compact design, process steps sequence "all in one tank"
- Elimination of secondary clarifier
- Process benefits by upstream anaerobic selector zone and anoxic reaction chamber
- Enhanced BNR (biological nutrient removal)
- Positive influence on sludge settling properties

MBR (MEMBRANE BIOREACTOR PROCESS)

- Achieving highest quality of effluent by Ultrafiltration
- Elimination of both secondary clarifiers and tertiary step
- Disinfection of effluent by physical "barrier" of membrane
- High MLSS concentrations (8.000 – 12.000 mg/l) possible
- Less tank size / footprint

AFTER SALES SERVICES

- Electromechanical Installation & audits
- Consumables & Spare Parts (Membranes - Chemicals)
- Maintenance contracts
- Operation services
- Water sale contracts



**UET WATER
TECHNOLOGIES**
Water & Environmental Solutions

Personalized Water and Process Solutions by Experienced Professionals

- Customized engineered water & waste water treatment solutions
- Clean wastewater for reuse and discharge (Improve water-use ratio)
- Cooling system treatment & cooling tower blowdown
- Improve energy efficiency, membrane performance and maximize production

MARKETS & APPLICATIONS

- Coastal Hotels
- Breweries / Beverage/ Dairy
- Agro Industry
- Water Recycle
- Boiler Feed Treatment & Makeup Water
- Textile & Pulp/Paper
- Mining & Steel
- Energy/Power/Oil/ Gas/Refinery
- Recover Water
- System Upgrades & Retrofits

Ultra-Filtration for Industrial Applications



Seawater Desalination



GLOBAL PRESENCE

USA | Germany | Mexico | Egypt | UAE | China | Chile | Brazil

Mexico Direct Offices: Cancún, Ensenada BCN, Los Cabos, Puerto Vallarta, Mexico City



Americas HQ in Los Angeles
Universal Environmental Technologies, Inc.
2627 Manhattan Beach Blvd. #202
Redondo Beach, California 90278 USA
Phone: 1 (310) 356-6611
Mobile: 1(310) 871-5504
E-mail: sales@uetwater.com



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