



UET WATER

 **AWT** TECHNOLOGIES



WATER AND WASTE WATER TREATMENT SOLUTIONS MINIMUM LIQUID DISCHARGE (MLS) & WATER RE-USE



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

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



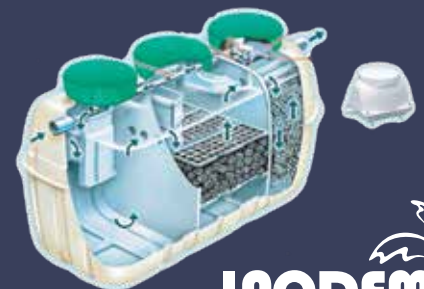
Various Water Filtration Technologies

ADVANCED QUALITY AIR



COMPACTWORKS® FUJI CLEAN (RESIDENTIAL AND COMMERCIAL WASTE WATER PLANTS)

- World's #1 waste water treatment system with standard and nutrient reduction models to treat straight flows for small commercial or multi-family homes
- 50 years' experience, 2+ million install
- ANSI/NSF Certified
- Very compact - No preceding septic tank is required – fits in tight spaces – Low maintenance and power usage.
- BOD/TSS removal ratio of the CE7 is 95%.



SOLUTIONS FOR YOUR WATER AND PRODUCTION EFFICIENCY



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

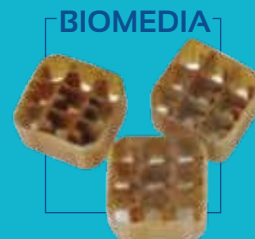
BIOFILM PROCESS **CFIC® & MBBR**

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.

- Low Energy Usage
- Low foot print
- Lower CAPEX
- Lower Effluent solids



AFTER SALES SERVICES

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



UET WATER


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



GLOBAL PRESENCE

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

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



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