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

www.uetwater.com
**Various Water Filtration Technologies**

- **Biomax Media** (5-10 micron)
- **Contactor** (RBC) – Special disks are connected to a motor with a VFD at very low speed
- Minimum power and space requirements
- Quiet & Odorless
- Efficient "Rotating Biological Contactor" (RBC) – for domestic and industrial use, from 50 to 2,000 people
- Up to 80% less power and 67% less space than other competitor technologies

**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

**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%.

**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
- Electrofionization for ultra pure water
- Increase energy efficiency, production output & membrane performance

**Water Filtration**

- Biomax Media (5-10 micron)
- Carbon Filtration
- UV Sterilization
- Ozone Sterilization
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 footprint
- Lower CAPEX
- Lower Eflluent solids

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 footprint
- Lower CAPEX
- Lower Efluent solids

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

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
• 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

GLOBAL PRESENCE
USA | Germany | Mexico | Egypt | UAE | China | Chile | Brazil
Mexico Direct Offices: Cancún, Ensenada BC, Los Cabos, Puerto Vallarta, Mexico City

Ultra-Filtration for Industrial Applications