



UET WATER

 BIOWORKS®



WATER AND WASTE WATER TREATMENT SOLUTIONS



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 MBR Process
- Dissolved Air Flotation (DAF)
- Clarifiers

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

- 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



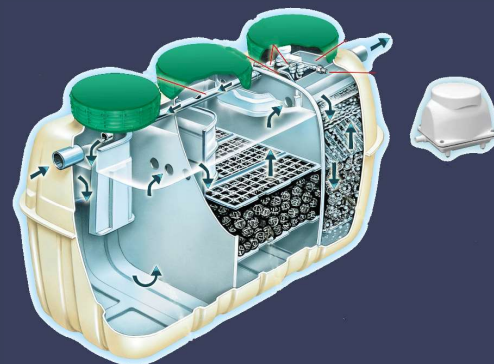
Various Water Filtration Technologies

ADVANCED SOLUTIONS FOR YOUR WATER QUALITY AND PRODUCTION EFFICIENCY



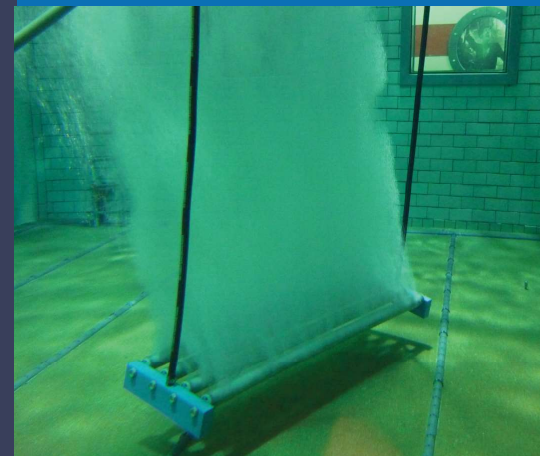
COMPACTWORKS® FUJI CLEAN (RESIDENTIAL AND COMMERCIAL WASTE WATER PLANTS)

- 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%.



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



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

WATER BOTTLING PLANT DESIGN

- 3, 5 gallon returnable and non-returnable bottles
- Automatic bottle washers, fillers, cappers, conveyors
- System integrators



AFTER SALES SERVICES

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



Personalized Water and Process Solutions by Experienced Professionals

- Customized engineered water & waste water treatment solutions
- Total process & systems manufacturer and supplier
- Clean wastewater for reuse and discharge (Improve water-use ratio)
- Cooling system treatment & cooling tower blowdown
- Improve energy efficiency, membrane performance and maximize production
- Control cost by treating and reusing water & wastewater
- Produce safer effluent for discharge

MARKETS & APPLICATIONS

- Coastal Hotels
- Breweries / Beverage/Dairy
- Agro Industry
- Water Recycle & re-use
- Boiler Feed Treatment & Make-up Water
- Textile & Pulp/Paper
- Mining & Steel
- Energy/Power/Oil/Gas/Refinery
- Recover The Max. Amount of Water
- System Upgrades & Retrofits

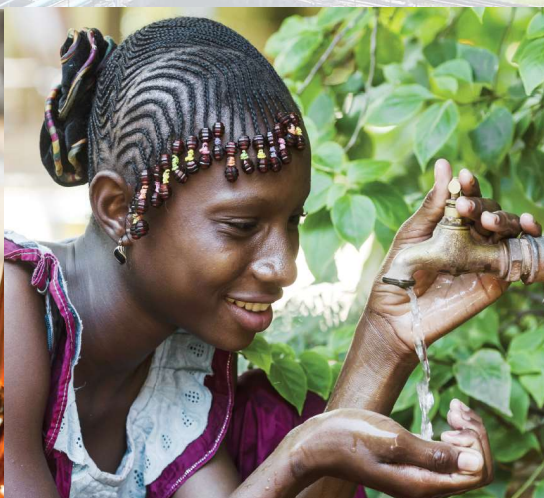
SAMPLE EQUIPMENT SUPPLIED

- Aeration Systems
- Mechanical & Disc screens
- Secondary Clarifier
- Tertiary Filtration
- SCADA Controls
- Effluent Decanters
- Compact WWTT
- Pumping Systems
- Media / GAC
- Membrane Systems
- Water Bottling Plant Integration
- Dissolved Air Flotation
- UV & Ozone Sterilization



GLOBAL PRESENCE

USA | Germany | Mexico | Egypt | UAE | China | Azerbaijan | Lebanon | Morocco



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