

Water Purification Technologies

Membrane Processes

- Reverse Osmosis
- Nano Filtration
- Ultra Filtration
- Two Pass Reverse Osmosis

Membrane Pretreatment and Post treatment

- Disinfection feed system
- Filtration (Multimedia, Iron removal, activated carbon)
- Coagulation feed system
- Filter air scouring blowers
- Automatic backwash filter screen
- Antiscalant feed system
- Ion Exchange Softener to replace the antiscalant
- Dechlorination feed system
- Pre and Post treatment pH adjustment
- Clarification equipment
- Ultraviolet Sterilization and Ozonator
- Five or one micron cartridge filtration
- Degasifier Towers

Ion Exchange Systems

- Two bed Cation and Anion Exchangers
- Mixed Bed Exchangers
- Electrodeionization
- Condensate Polishers
- Degasifier towers
- Acid feed systems and caustic feed systems for Cation and Anion resin regeneration
- Neutralization of waste



TWO BED CATION & ANION EXCHANGERS ION EXCHANGE SYSTEMS



300 GPM high rejection R.O system for Nitrate Removal from City Water.



BIC Water and Wastewater Treatment

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With our cost saving customized solutions, you can count on BIC to treat your source water and recover your wastewater.

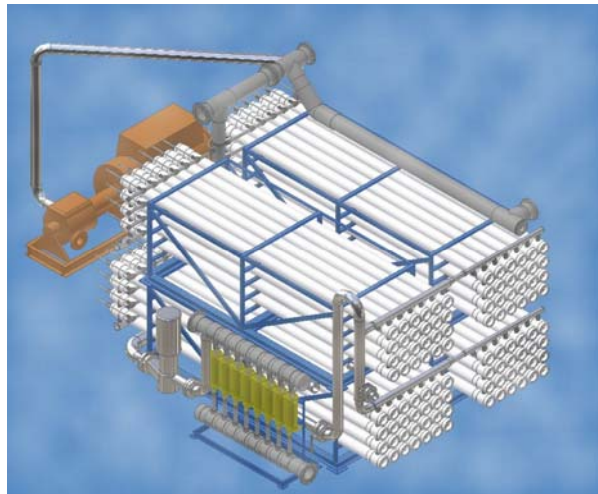
ABOUT BIC

Emerging over 20 years ago as a division of Bauer International Phils, Inc., BIC is a pioneer in water and wastewater treatment products.

Today BIC has evolved into a rapidly growing company known for its experience & expertise in the design and building of water and wastewater treatment systems.

It's experience that enables BIC to offer cost effective customized solutions for even the most difficult wastewater problems.

BIC also has a list of special services that they provide for their clients such as custom engineering, turnkey projects and after sale technical support for sewage treatment plants, industrial wastewater treatment plants, brackish water treatment plants and seawater desalination plants.



The solid Modeling design process is generated by our Graphic Designers utilizing the Autodesk Inventor

INDUSTRIES

BIC has standard and custom engineered solutions for the most difficult applications. BIC specializes in the following industries:

- Food and Beverage
- Textiles
- Pulp and Paper
- Metal Finishing
- Micro Electronics
- Mining
- Power
- Slaughterhouse
- Institutional and Commercial(Hotels, Golf courses irrigation)
- Small Municipalities water and wastewater treatment



BIC Water Corporate Office

TECHNOLOGY

BIC and its team of talented engineers and designers are at the cutting edge of technology when it comes to Reverse Osmosis, Ultrafiltration, Nanofiltration and Membrane Bioreactors.

The range of technology utilized by BIC puts it in a unique position when it comes to developing cost effective customized water & wastewater treatment solutions.

Incorporating technologies such as Dissolved Air Flotation (DAF), Sequencing Batch Reactor(SBR), Ultra Filtration (UF) and Reverse Osmosis(RO), BIC has hundreds of systems operating successfully for their clients.



Avon Products MFG, Inc.
Capacity: 60m3/day
Wastewater Plant

Wastewater Technologies and Applications

The following Technologies are utilized in our Wastewater Treatment Solutions

Wastewater Technologies

- Biological Treatment
- Sequencing Batch Reactors(SBR)
- Dissolved Air floatation (DAF)
- Equalization, Coagulation, Neutralization
- Dewatering and Filtration
- Chemical Treatment

Wastewater Applications:

- Dissolved and Suspended Organics,
- Protein, Blood, Grease, Fats and Oil
- BOD, COD, Suspended Solids
- Dissolved and Suspended Hazardous metals
- Free and emulsified Oils

RECYCLE WATER

Industrial effluents are not a necessary waste. For more than two decades, BIC has developed systems that get the most out of your Wastewater. Valuable metals can be reclaimed. Nutritional food by-products can be recovered. Costly chemicals can be Recycled. Even the water itself can be reused.

Recycle Water Technologies

- Reverse Osmosis Systems
- Nanofiltration Systems
- Ultrafiltration Systems
- Membrane Bioreactors

Seawater Desalination

The BIC experience in the production of seawater Desalination systems by Reverse Osmosis includes application of new Technology from Pretreatment to energy efficient pumping systems.



4.0 MGD Wastewater treatment facility



POD Of Textile Wastewater 0.25 MGD Nanofiltration/ RO Color Removal Water Recovery



Seawater Desalination By Reverse Osmosis for Water Utility
Capacity 1.32 MGPD