

CUSTOM DESIGN	EXPERIENCE	HIGH QUALITY	RESPONSIVENESS	▶ Applications
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- Removal of Suspended Solids, organic matter and turbidity
- TOC reduction and Free Cl₂ removal
- Removal of Iron and Manganese



Many filtration media systems utilize specific materials to remove certain constituents from water. These constituents would include iron, manganese, free chlorine, organic matter and suspended solids. In order to maximize the performance of the ion exchange and membrane systems that follow these pretreatment technologies media pressure filters have become an integral part of the water treatment process train.

MAIN FEATURES

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| <ul style="list-style-type: none"> → Custom Build and Modular Units → Utilizing various media : GAC, Greensand, Multi-Media → Compact footprint → High quality filtered water | <ul style="list-style-type: none"> → Pressure Driven Filter Systems → Fully Instrumented and Controlled → Complex Process Development Capability → Quality Assurance and Control Management |
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MEDIA PRESSURE FILTERS TECHNOLOGY

Media filtration is a very straight forward process that has been utilized for many years.

HOW IT WORKS

Media filtration works by physically straining solids and particles from water or adsorbing contaminants from water. Typical filter media include sand, anthracite, garnet, gravel, activated carbon and manganese greensand.

These filtration processes use pressure to increase the efficiency of the media filtration resulting in high throughput pressure vessels thereby keeping equipment cost low.

TECHNICAL DATA

When solids removal is required, sand, dual media, or multimedia products have consistently been chosen to meet and exceed client specifications. Removal of organics and residual chlorine can be achieved with activated carbon filtration. Iron and manganese are removed by manganese greensand filtration.

Our units are custom manufactured to specific client requirements. All systems capacities can be achieved through modular design. Utilizing these building blocks flow rates from 200 gpm to 20,000 gpm are easily constructed to fit into all variations of foot prints specified by our clients.

► Materials

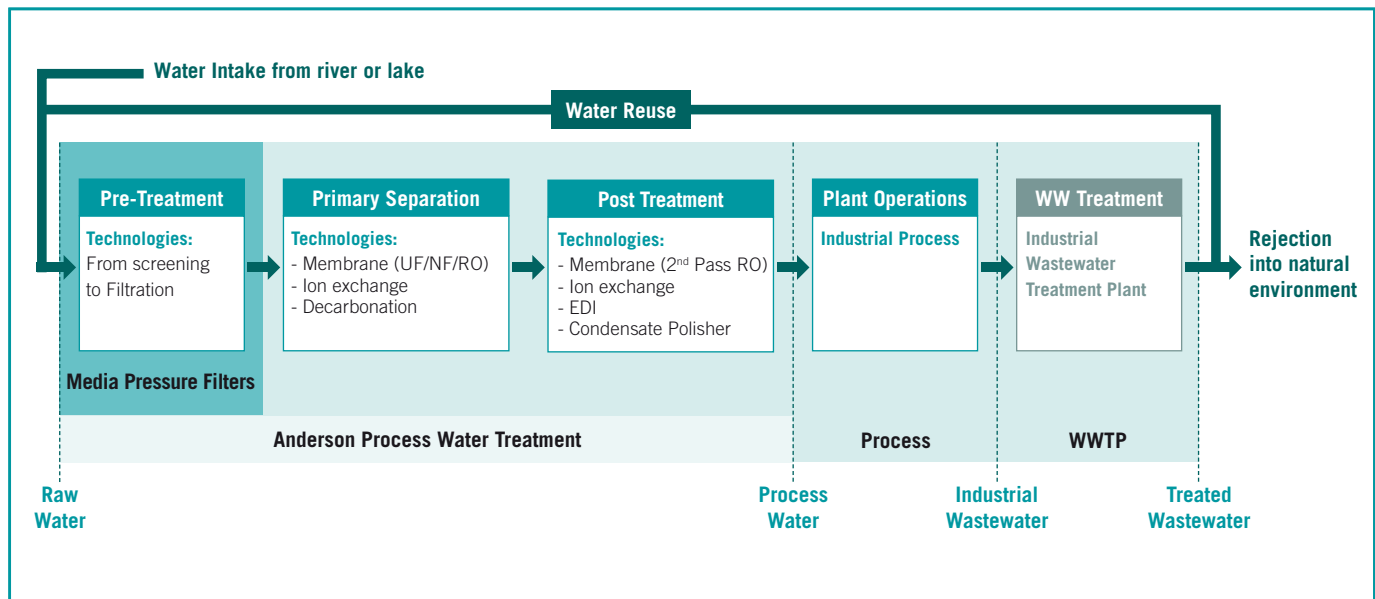
- From carbon steel to specialty alloy
- Fully instrumented and controlled.

► Remote controls and alarms

- **Intrinsic Alarms for:** High and Low Pressure, Temperature, Pressure Drop Feed, Conductivity. Control System could include PLC systems for both local and remote and could include linkage to SCADA control center.



INDUSTRIAL TREATMENT LINE



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