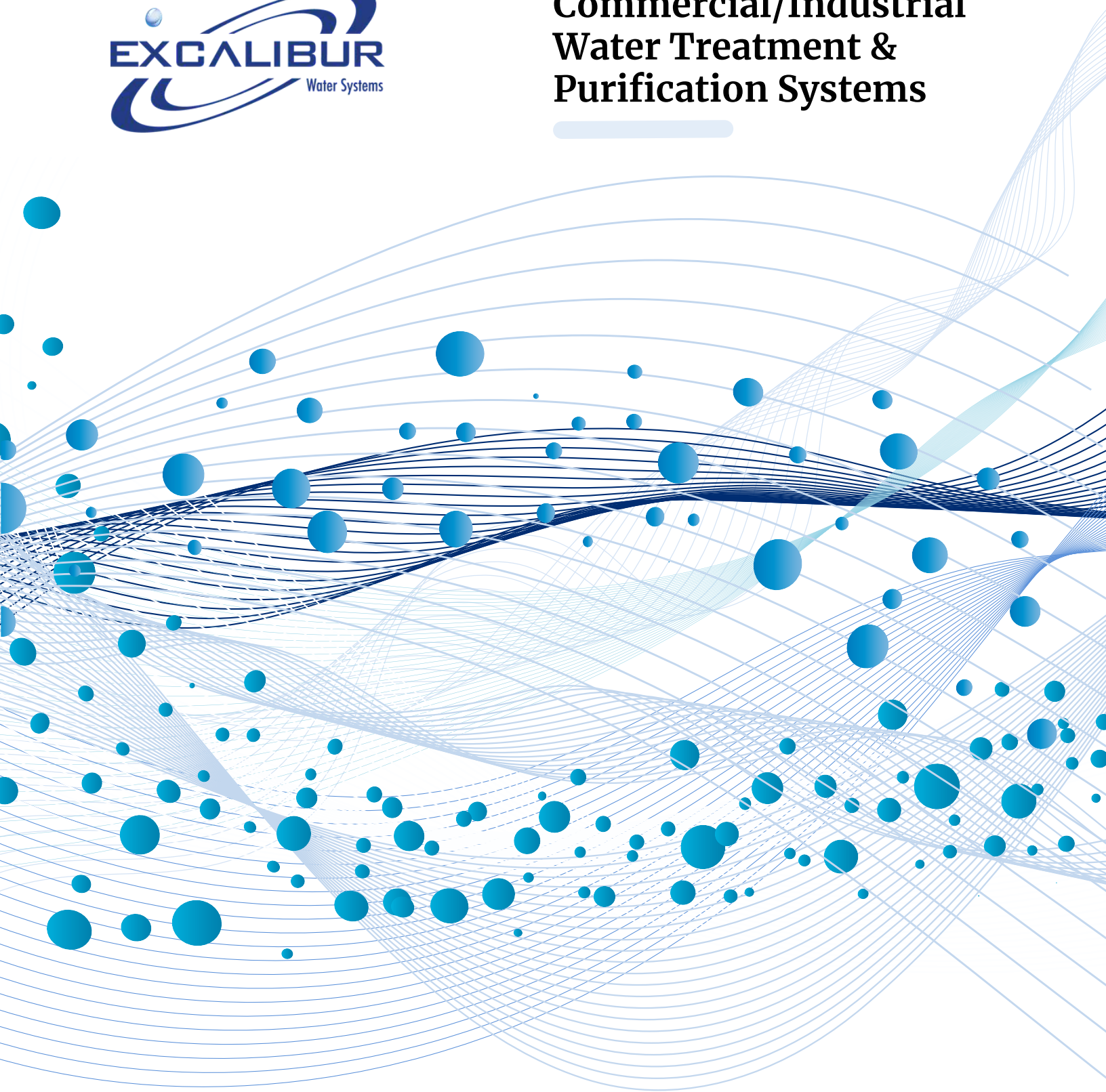
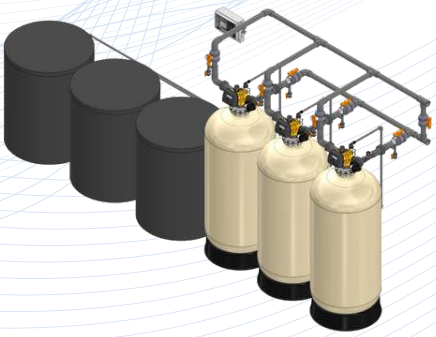
EXCALIBUR Water Systems

Commercial/Industrial Water Treatment & Purification Systems



Quality through innovation

Commercial Water Treatment & Purification Systems



PROGRESSIVE FLOW WATER SOFTENERS

Manufacturing the most innovative designs with proven performance providing 100% soft water 24/7 daily. Removes calcium and magnesium minerals in process feed water to boilers, commercial buildings, heat exchangers, process equipment, and many other applications. Our systems provide improved efficiency and reduced energy costs.

Features:

- Flow Rates 1-20,000 GPM Systems
- Solid state microprocessor with easy access
- Skid Mounted Systems
- Operates 2-8 unit softeners on one or two independent systems
- Networking up to 16 unit systems with high flow control

PROGRESSIVE FLOW AUTOMATED FILTERS

Excalibur Water Systems designs the most advanced filtration technologies to solve numerous water treatment applications such as chemical removal, pH neutralization, Iron, Sulphur, Manganese, Turbidity, and many more.

Features:

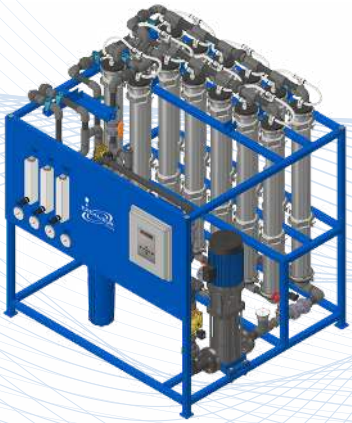
- Flow rates 1-20,000 GPM Systems
- Skid mounted systems
- Solid state microprocessor with easy access
- Upload system diagnostic and programming information to USB drive
- Monochrome graphic display with blue backlight on front panel

COOLING TOWER SIDE STREAM FILTERS

Unique, high efficiency side stream filter designs with reduced pressure drop and filtration to 1 micron. Separate source regeneration in single and multiple vessel designs.

Features:

- Filter flow rates can reach up to 1,000 GPM for cooling towers with a capacity of up to 7,000 tons
- Top mount or side mount control valves
- Double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Fully adjustable cycle times with 6 or 9 cycle control
- Skid mounted systems



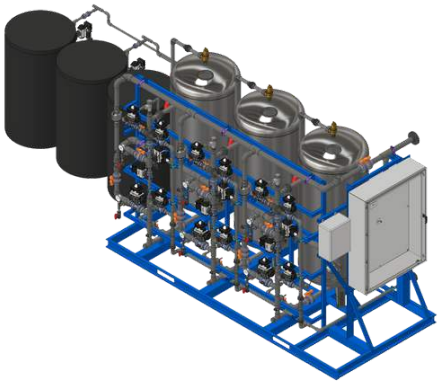
SUREFLO™ REVERSE OSMOSIS SYSTEMS

Commercial reverse osmosis systems are engineered to reduce total dissolved solids providing high purity water with dependable performance and reliability.

Features:

- Flow rates 1-20,000 GPM Systems
- Clean in place system optional
- Single pass and double pass configurations
- 4.0” and 8.0” high purity RO and NF membrane selection
- Designs with 75% waste water recovery

Industrial Water Treatment & Purification Systems

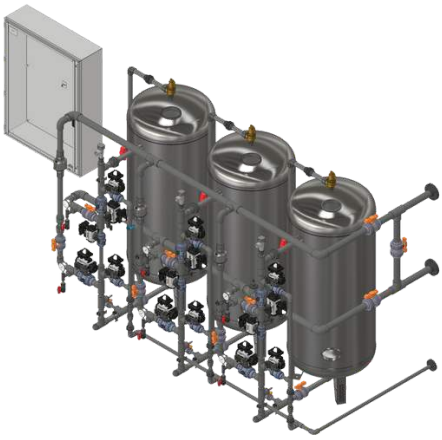


PLC WATER SOFTENING

Excalibur Water Systems engineers and manufactures a complete line of ion-exchange water softening systems utilizing PLC controls, touch screen HMI, renowned industry brands for all pneumatic valves with limit switches, optional speed control, cation exchange resins, flow meters, and pressure transducers.

Features:

- Custom Engineering Designs
- System Integration Remote Access
- Robust & Reliable Industrial Instrumentation
- System Graphical Monitoring & Control
- Industry 4.0 Technology
- System Expansion Capabilities
- Trending History & Historical Data Collection
- Optional Skid Mount Pre Piped Models

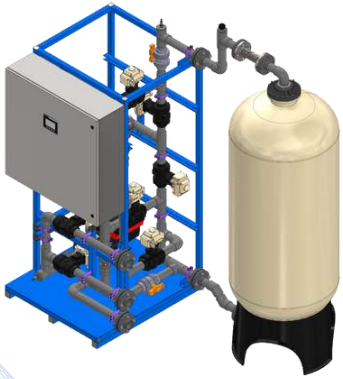


PLC PROGRESSIVE FLOW AUTOMATED FILTRATION

Utilizing industry-renowned components offering complete filtration packaged system solutions operated with PLC controls with custom communication packages allows Excalibur Water Systems to customize your water treatment requirements. Simplex to multi-tank progressive flow filtration, monitoring flow and pressures, separate source regeneration, for custom process applications.

Features:

- Industry 4.0 Technology
- Industry Renowned Brand Components
- System expansion future requirements
- Compatibility Industrial Networking Protocols
- Optional Skid Mount Pre Piped Models
- Graphical process presentation screen
- Alarm generation events and history
- Access level defined user role access

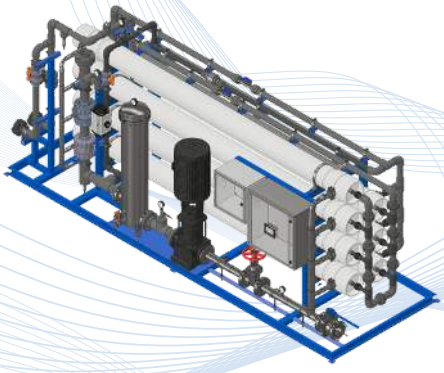


PLC COOLING TOWER SIDE STREAM FILTRATION

Industrial Cooling Tower Side Stream Filters offer turbidity filtration in simplex, or multi-tank models and designs utilizing PLC controls with touch screen HMI and renowned industry components and medias for trouble-free operation.

Features:

- Auto Controlled Flow with VFD
- PLC controls with HMI Process Screen
- Automated Pressure and Flow Regulation
- Remote Signal / Stand-alone Operation
- Digital Instrumentation
- Separate Source Regeneration
- Industry 4.0 Technology
- Cloud Data Logging



PLC REVERSE OSMOSIS MEMBRANE TECHNOLOGY

Excalibur Water Systems Industrial Reverse Osmosis Systems provide a highly effective water treatment process that can reduce up to 97-99% of total dissolved solids for industrial process water applications. Controlled utilizing PLC with touch screen HMI, pneumatic or motorized valves with limit switch, magnetic and ultrasonic flow meters, pressure transducers, conductivity, and pH instrumentation.

Features:

- Industrial Meters +/- 0.5% Accuracy
- Digital Pressure Key Points & Array
- Process & Application Custom Programming
- Industry-Renowned Instrumentation Brands
- Custom Engineered Solutions
- Remote On-Line System Support
- System Guided Troubleshooting
- Optional Integrated Automated CIP

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Commercial

Industrial