Innovative Technologies

• **Pur-IX™** brine saving and waste reduction technology
  • Water conservation
  • Extended media life
  • Reduced backwash storage requirements
• **Simul-Wash™** sustained simultaneous air and water backwash system available on Tonka Water filtration products.
• **DTS™** customized Delivered Treatment System
• **BLEU™** low profile stainless steel dual parallel underdrain
• **Biological Treatment System**
  • Ammonia removal
  • Iron and manganese removal
• **Ion Exchange Systems**
  • **RidION™** conventional ion exchange
  • Softening
  • Sulfate removal
  • **Nion-IX™** nitrate removal
  • Radium and radionuclide removal
  • Organics and color removal
  • Other specialized applications
• **IMAR™** proven filter media for iron, manganese, arsenic and radium removal
• **IMAX™** high rate media filter for manganese and iron removal

Membrane Systems

• **U-Flex™** ultrafiltration membranes
• **Flux RO/NF™** nanofiltration/reverse osmosis membranes

Clarification

• **RotaClear™** single impeller reactor-clarifier
• **SpiraClear™** catalytic lime softening systems
• **Heli-Cone™** hydraulically driven helical basins
• **TriClear™** upflow solids contact clarifiers
• **Uni-Pac™** parallel plate settlers

Gravity Filters

• **Centralator™** large flow center control column filter
• **Filtralator™** rectangular or circular style filters - steel or concrete construction

Pilot Testing

• Assessment and performance testing
• Custom pilot studies
Pressure Filters
- OptaCell™ horizontal treatment systems
- OptaCell Plus™ isolated cell design for integral redundancy
- VertaCell™ vertical treatment systems

Aerators, Air Strippers, Scrubbers
- Forced or induced draft, cascade, or pressure aeration
- VOC Stripping Towers

Packaged Treatment Systems
- UTS™ series surface water systems for difficult groundwater providing packaged flocculation, clarification, and filtration
- Clari-Filt™ pressurized clarification and filtration for surface water treatment
- ClariFlote™ buoyant media clarification with gravity filtration
- Dualator® series providing aeration, detention, and filtration for groundwater package treatment

Compliance Solutions
- Ra-Mox™ HMO radium removal systems
- As+TEC arsenic removal systems
- TonkaZorb™ pre-formed HMO for radium removal
- Organix™ pressurized ion exchange systems
- Chrome-IX™ hexavalent chromium removal

Filter Performance Enhancements
- Underdrains
  - BLEU™ low profile stainless steel dual parallel underdrain
  - Uni-Cast™ monolithically poured concrete
  - Gravel or media retaining nozzles
  - Replacement underdrains
- Multiple programmable logic controller platforms
- Airwash and surface wash systems
- Simul-Wash™ backwash systems
- Chemical feed systems

Technical & Aftermarket Service
- On-site services: evaluation, trouble-shooting, operator, training and start up
- Process recommendations
- Control strategies
- System refurbishment and modernization
- Service contracts
- Replacement parts
- CAD drawings, equipment models and specifications

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