



Tonka Pur-IX

Advanced ION EXCHANGE Technology

A NEW revolutionary solution for efficient, cost-effective treatment.

Nitrate
Removal

TOC and
Color Removal

Uranium
Removal

Softening

Other Applications





Tonka Pur-IX

The secret of the system is the unique

MULTI-PORT VALVE*

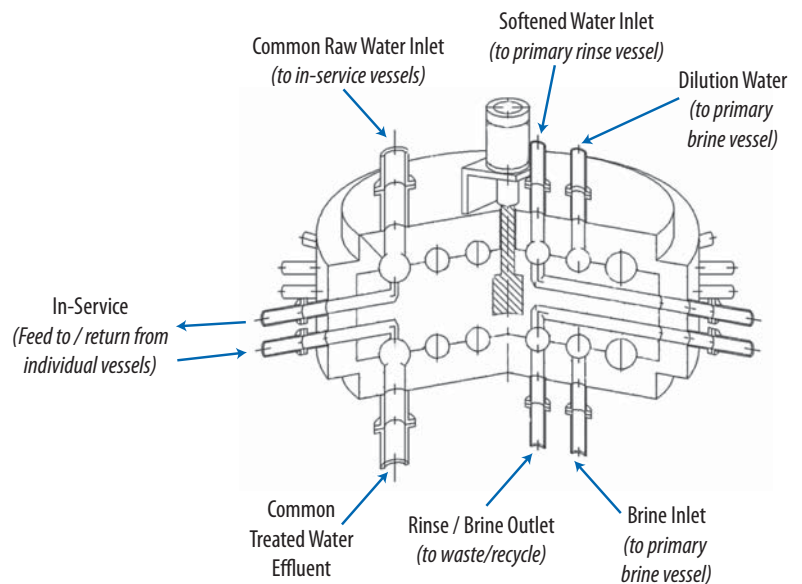
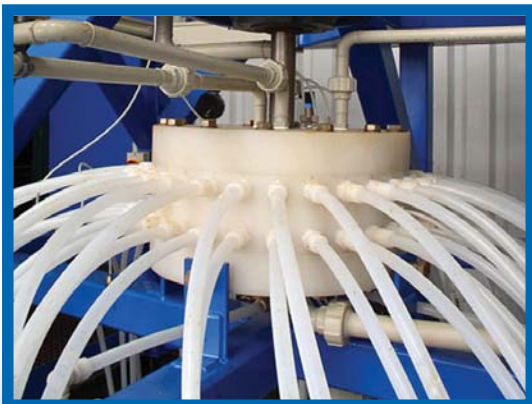


The multi-port valve revolutionizes ion exchange because:

- Vessels are continuously regenerated without affecting treated water production.
- The multi-port valve is precision machined and factory tested prior to shipment.
- The close tolerances on the valve provide assurance of long valve life.
- The multi-port valve has specially designed ports that eliminate hammer and pressure spikes so even during stage rotation, your feed pump or well pump will never see adverse pressure conditions.

Multi-port valve allows you to:

- Operate up to 3000 gpm on a single multi-port valve
- Save money on easy contractor installation
- Have a highly efficient ion exchange process without complicated valve nests

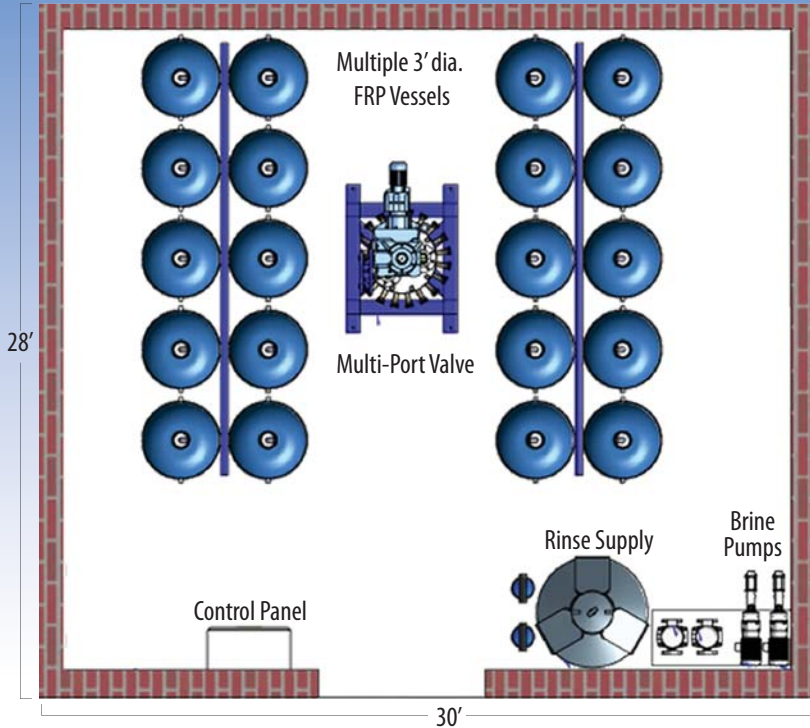


The system is easily operated by the multi-port valve, which redirects flow with one small indexing turn.

*Tonka is the exclusive municipal licensee of the PuriTech Multi-port valve.

ION EXCHANGE

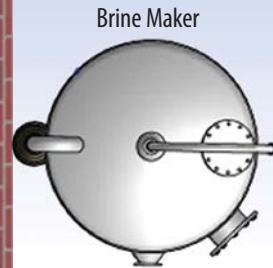
The System - *Typical layout for a 4 MGD plant*



Features:

Compact Footprint & Simplicity

- Twenty low profile FRP vessels
- Factory skid-mounted vessels
- Simple, robust design
- Easy quick connections from multi-port valve to vessels
- Simplified control and operations
- Continuous operation—14 vessels online
- No complex valve nests



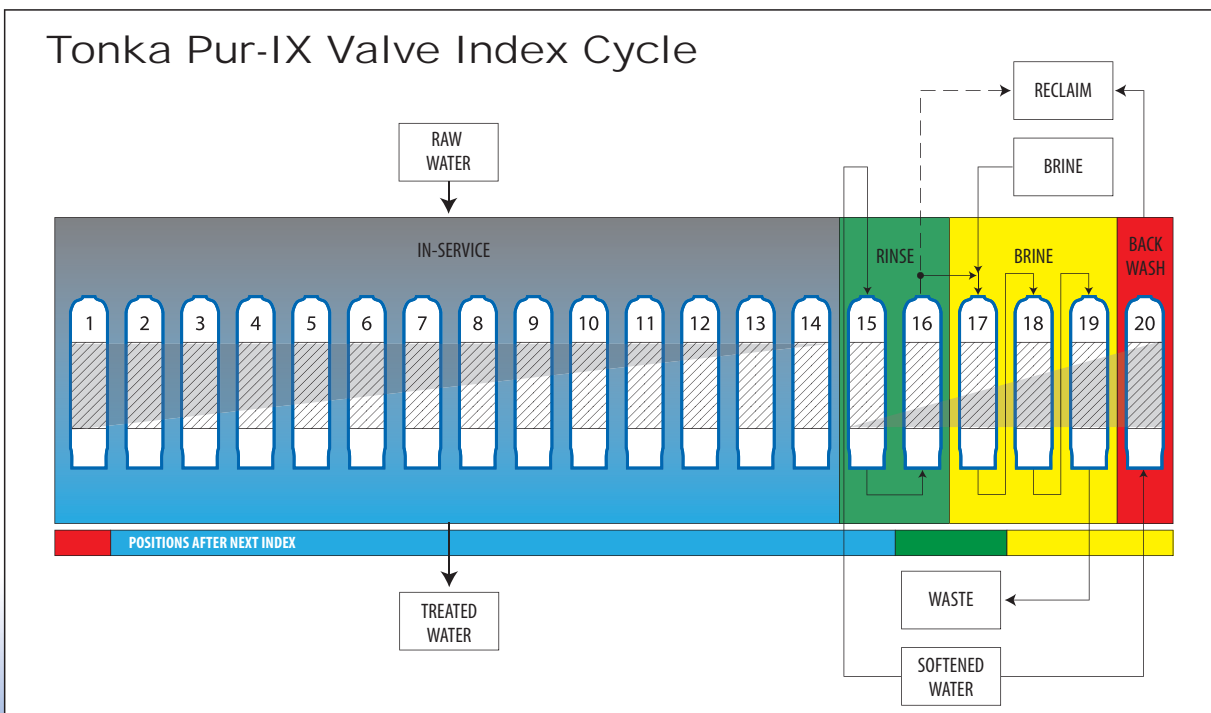
Efficiency & Cost Reduction

- Radically reduced construction costs
- Lowest waste volumes of any treatment option - 99.5% water production
- Continuous and smooth regeneration
- Lowest salt consumption

**Proven technology -
over 20 full-scale
installations**

How Tonka Pur-IX Works

Tonka Pur-IX Valve Index Cycle





Tonka Pur-IX

Advanced ION EXCHANGE Technology

Why Use Pur-IX?

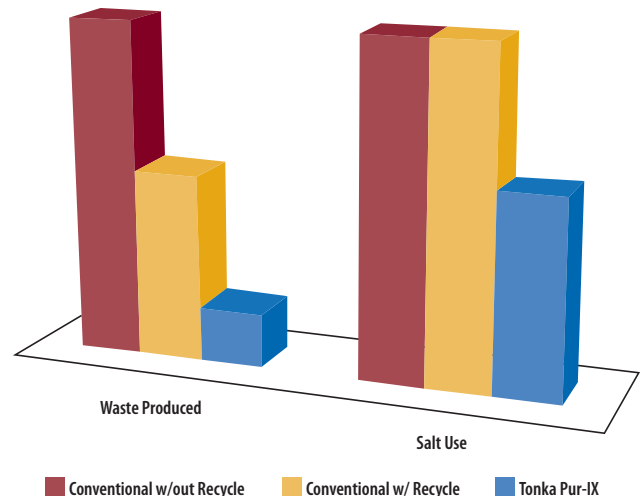
Because it provides you with:

- Lowest risk of contaminant discharge
- Easiest plant controls
- Lowest O&M costs
- Minimal resin inventory
- Tonka quality components and services
- Tonka process system guarantee



Pur-IX is the ideal system for:

- New water plants with restrictive site conditions
- High contaminant concentrations
- Saving water
- Reducing salt usage
- Minimizing waste



***We can make Ion Exchange
work for you!
Tap into Tonka's Expertise.***



TONKA EQUIPMENT COMPANY

763-55-WATER • 763-559-2837 • FAX: 763-559-1979 • www.tonkaWATER.com
P.O. Box 41126 • Plymouth, MN 55441-0126 • 13305 Watertower Circle Plymouth, MN 55441