



Specially designed multi-functional controller for softening, filtration and demineralization processes is easy to operate.



Pulse signal type flow sensor with very high measuring accuracy (up to  $\pm 4\%$ ) and very good anti-interference capability.



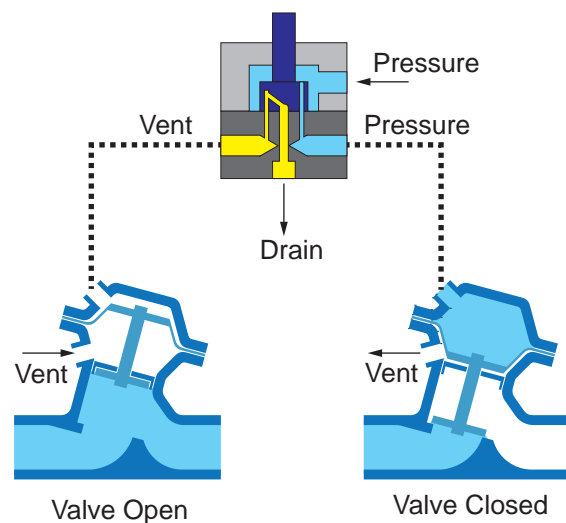
All plastic double-chamber diaphragm valve with high flow rate and low pressure lose, air or water control, very good corrosion resistant performance could be used in demineralization systems.



## Advantage of Multi-valve System

- ✓ **Flow Control Technology**  
Adopt flow rate measuring method to precisely measure total water output, increase the utilization efficiency of resin, save water and salt.
- ✓ **Flexibility to Select Different Processes**  
Counter-current softening, co-current softening, sand filtration or activated carbon filtration can be selected flexibly.
- ✓ **Wide Scope of Applications and High Flow Rate**  
Meet various flow rate requirements via changing valve sizes.
- ✓ **Professional Control System, Easy Operation and Low Cost of Maintenance**  
Specially designed controllers for softening systems are easy to manage. Professional service engineer or return-to-factory repair is not needed.
- ✓ **"Multiple Tanks in Service and One in Standby" or "All Tanks in Parallel Service and Regeneration Sequentially" can be Realized by Interconnect Multiple Stager Controllers.**
- ✓ **Stager Controller is CE Certified.**

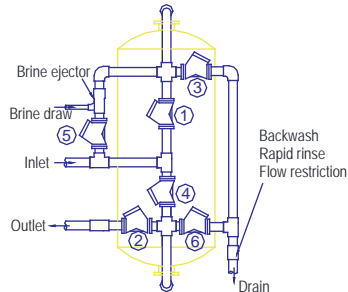
## Principles of Operation



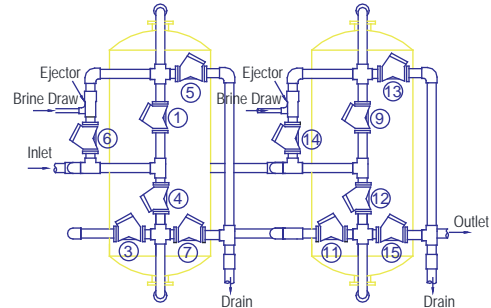
## Multi-valve System

## Multi-valve System Application Diagrams

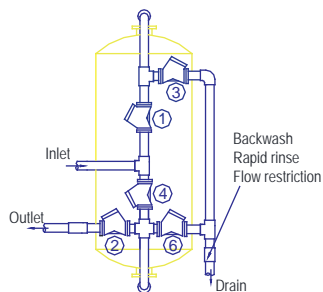
Softener - Co-current Regeneration (Model 48-502)



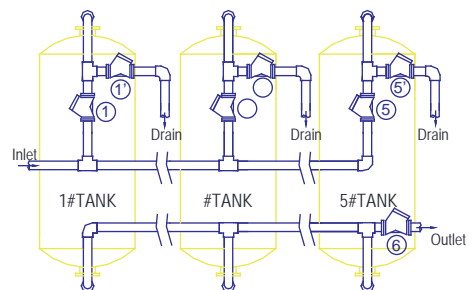
Softener - Co-current, One Work One Standby (Model 58-554)



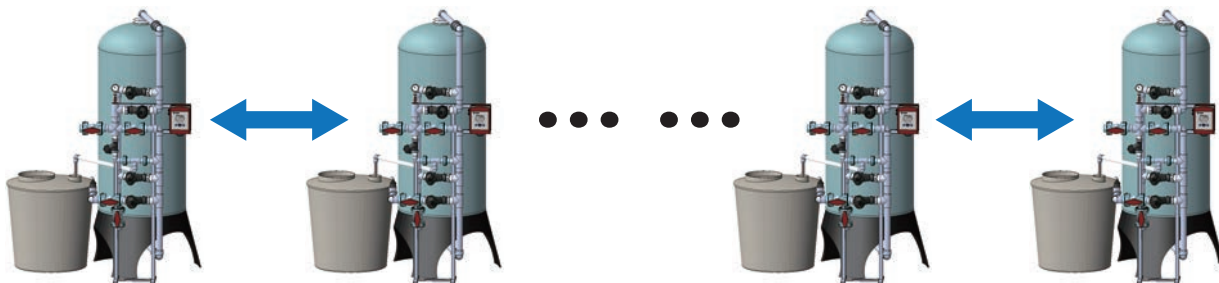
Filter - Backwash & Rinse (Model 48-501)



Multiple Tank Sequential Filter - Backwash Only (Model 48-508)



## Multi-valve System Modular Design



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# Multi-valve System