

GE Infrastructure  
Water & Process Technologies



# Professional Series

Residential Components and Products



imagination at work

# Autotrol™ Brand Residential Valves

Reliability and convenience from the company most recognized for innovative products.

- The industry innovator in driving new designs to market
- Always refining current technologies for maximum market impact
- Almost a half century of experience in residential water conditioning equipment, focusing on independent water treatment professionals

## Service simplicity

Access to the entire valve is accomplished with only two screwdrivers (Phillips and Torx).

## Satisfaction guaranteed

All the confidence and peace of mind with the GE 5-year warranty.

## Tough under pressure

Noryl®, the thermoplastic resin developed by GE, provides exceptional corrosion resistance and precision-fit components.

## Measured performance

Ball-and-seat controls deliver consistent backwashing in all tank sizes at all pressure rates.

## Easy entry

Easy to access and adjust the refill control.

## 1-2-3- clean

Two-piece injector screen for fast, easy cleaning.

## Smooth operator

Autotrol® Duraflow™ technology features a frictionless seal for longer life. Excellent for applications with high turbidity and suspended solids.

## Sealed to perfection

Heat weld bonding protects against micro-leaks and ensures years of reliable operation.

## Measured performance

One-piece injector provides accurate flow rate in the brining cycle and is color-coded for easy identification.



# Residential Valve Bodies

The 255 and Performa series provide water conditioning professionals with a valve solution for virtually every residential application.

- Engineered to outperform other brands in performance and service life
- Built with the business professional in mind – fast installation and quicker service calls increase profit
- Multiple controller options available at a variety of price points
- Noryl<sup>®</sup>, the thermoplastic resin developed by GE, provides exceptional corrosion resistance and precision-fit components

## Autotrol™ 255 Series – 3/4-inch ports

### Easy on the water

Efficient valve design decreases the amount of water required for regeneration.

### Do not disturb

Tank adapter permits disconnection from valve without disturbing the resin bed.

### A steady stream

3/4-inch port opening provides good softener flow performance.

### A clear view

Includes a clear-sight air check for easy brine line troubleshooting.



## Performa Series – 1-inch port

### The name says it all

Performa means performance – large one-inch ports for high-flow applications.

### Three and out

Valve quickly changes from softener to filter application in three easy steps.

### Fewer the better

Designed with fewer service parts than any valve of comparable function – longer life, shorter service calls.

### Easier to service

Bypass attachment makes maintenance exceptionally fast.



Valve	Inlet/Outlet	Riser Diameter	Service Flow at 15 psi		Backwash at 25 psi		Backwash Capabilities
			gpm	m <sup>3</sup> h	gpm	m <sup>3</sup> h	
255 Valve	1- or 3/4-inch	1- or 13/16-inch	15	3.4	6.0	1.36	6 – 14-inch Tanks
Performa Valve (268) Logix and 900	1-inch	1-inch	25	5.7	20	7.3	7 – 14-inch Tanks
Performa Filter Valve (263)	1-inch	1-inch	25	5.7	20	7.3	7 – 14-inch Tanks
Performa Cv (278)	1-inch	1-inch	25	5.7	20	7.3	7 – 24-inch Tanks

# Residential Controllers

GE Infrastructure builds the most technologically-advanced valve controllers for the residential market.

- Controls for any application: mechanical, simple electronic, and advanced control electronics
- Electronic controls feature safe, low-voltage (12V) operation – higher voltage controls are also available
- Single- or twin-tank applications



## Logix controllers lead the way

The Logix Controller is unrivaled in simplicity and is easier to program than any other electronic controller on the market. In fact, it's as simple as setting an alarm clock! Patented, unique technology places the Logix in a class not shared by any other manufacturer.

### Seven is a winner

New 7-cycle high-efficiency regeneration sequence exceeds 4100 g.p.p.

### Calendar of events

The Logix Controller learns the owner's water usage patterns in the 28-day variable reserve mode, virtually guaranteeing continuous soft water.

### Remote control

Remote mount kit allows programming module to be installed up to 40 feet away.

### Rain or shine

Optional weatherproof in-line transformer available for outdoor installations.



### Fill 'er up

Optional no-salt detector can be added to the controller.

### The big picture

LCD readout displays large, high-contrast numerals and icon graphics.

### The touch of convenience

The Logix is factory-programmed with complete salt tables and operational parameters. Simply program the resin volume, set the timing schedule and input the salt and hardness data – it's that easy!

### Good for business

Easy to understand means faster training. Simple set-up means faster installation. Logix makes sense for growing your business.

# Controller Series

GE offers a full range of valve controllers to meet all residential water-conditioning applications.

## Logix Series

### 740 Time Clock

- Simple, economic electronic time clock (chronometric)
- 7- or 99-day regeneration setting
- High efficiency regeneration sequence
- 12-volt operation
- Filter or conditioner setting in one control
- Operates 255, 263, 268 with one controller



### 760 Demand

- Simple, economic electronic demand (volumetric)
- Calendar override
- 12-volt operation
- 28-day variable reserve
- High efficiency regeneration sequence
- Automatic capacity calculations
- Operates 255, 263, 268 with one controller



### 742 Time Clock

Same features as the 740 time clock, plus:

- Fully programmable cycle times
- Salt setting in 1-pound increments
- Optional no-salt detector
- Operates 255, 263, 268, 278, and Magnum IT with one controller

### 762 Demand

Same features as the 760, plus:

- Fully programmable cycle times
- Salt setting in 1-pound increments
- Optional no-salt detector
- Operates 255, 263, 268, 278, and Magnum IT with one controller

## 400 Series

### 440i Time Clock

- Value priced, reliable mechanical control
- Time-clock regeneration
- Set it and forget it
- 12-volt or 120-volt versions available
- 6- or 7-day regeneration
- Operates 255, 263, 268 valves



### 460i Time Clock

- Economical electronic-demand control
- Simple set-up and programming
- Calendar override
- 12-volt operation
- 7-day variable reserve
- Operates 255, 268 valves



## Control Valve Capabilities

Controller	Valve Body			
	255 Conditioner	263 Filter	268 Conditioner	278 Conditioner
440i Time Clock	X	X	X	
460i Demand	X		X	
740 Time Clock	X	X	X	
760 Demand	X	X	X	
742 Time Clock	X	X	X	X
762 Demand	X	X	X	X

## Control Valve Features

Controller	Regeneration Type	Cycles	Reserve	Voltage
440i	Time Clock	Fixed	Time Clock	12 or 120
460i	Demand	Fixed	7-Day Variable	12
740	Time Clock	Computer Adjusted	Time Clock	12
760	Demand	Computer Adjusted	28-Day Variable	12
742	Time Clock	Fully Programmable	Time Clock	12
762	Demand	Fully Programmable	28-Day Variable	12

# Residential Pressure Tanks

GE professional series tanks go the extra step to ensure homeowners the ultimate in performance and lasting quality. Team up the GE professional series tanks and control valves for an unbeatable package.

- Superior in every way, this pro-quality tank is the choice for homeowners wanting the very best
- Available sizes up to 36 inches in diameter and 72 inches in height, with a 2-1/2- or 4-inch tank opening

## Lightweight champion

Reinforced composite construction makes this tank one-third the weight of steel tanks and comparable in strength.

## Safety wrap

Tank construction of thermoplastic composite resin and wrapped in high-tensile filament windings.

## Inner strength

High-strength polyethylene liner in thicknesses from 0.150" (3.8mm) to 0.30" (7.6mm).

## Great under pressure

Burst testing up to four times the rated operating pressure (150 psi).

## The test of time

Cycle tested up to 250,000 times (range: 10 to 150 psi).

## Stamp of approval

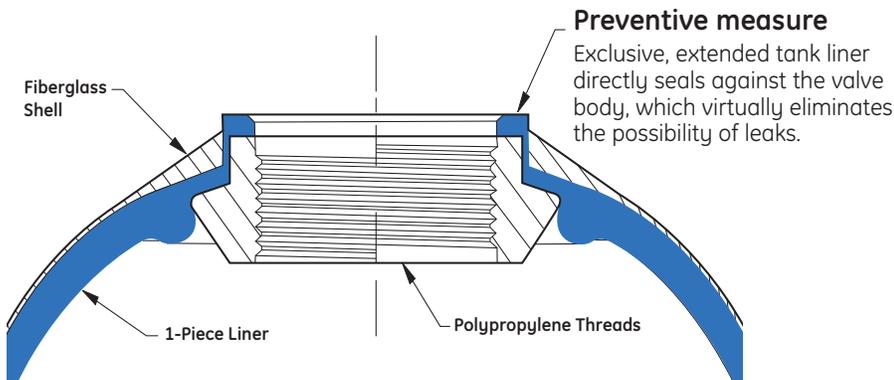
NSF certification – This water softener pressure vessel is tested and certified by NSF against NSF/ANSI Standard 44 for material and structural integrity requirements only.

## Quality guaranteed

10-year warranty in residential installations.



Valve not included



Component

# Accessories

Improve the performance and extend the life of your Professional Series Control Valves

## No-Salt Detector

Always know when you're out of salt with this Logix accessory.



## Turbulator

Increase resin bed performance with the turbulator.



## Protective Covers

A complete line of covers to protect your valves.



I-Lid Cover  
440/460 Controls



L-Lid Cover for 255  
Valve



Logix Cover



Decorative Logix  
Skirt Covers



Logix Outdoor Cover



Custom Color  
Covers Available

## Bypass Valves

Simplify maintenance with the use of a bypass valve.



1265  
Performa



256  
For 255 Valve

## Tube Adapters and Plumbing Connections

Tubing adapters and manifolds for every plumbing type.



Copper Tube Adapters  
3/4, 1, 1-1/4-inch,  
22, 28 mm



CPVC Tube Adapter  
3/4-inch, 1-inch,  
25 mm



Plastic Threaded  
Adapter  
3/4-inch, 1-inch  
NPT, BSPT



Brass Adapter  
3/4-inch, 1-inch  
BSPT, NPT



Male Manifold  
3/4-inch, 1-inch  
NPT, BSPT  
(255 valve)



Turbine Manifold  
and Female Manifold  
3/4-inch, NPT, BSPT  
(255 valve)

## Wall Mount Kit

Mount up to 40 feet away from Logix



## Drain Line Flow Controls



External DLFC

## Electrical Options

12-volt power adapters and switch kits are available for nearly any location or need.



Standard  
Wall Mount



Outdoor  
Transformer



Under Top-Plate  
Transformer



Relay Switch  
Mount-to-Top-Plate



Auxiliary  
Switch Kits

North American Sales  
5730 N. Glen Park Road  
Milwaukee, WI  
53209-4403  
USA  
(262) 238-4400 Phone  
(262) 238-4402 Fax

For More Information:  
Call GE Infrastructure  
Water & Process Technologies;  
Household Water Group at  
(262) 238-4400 or  
(800) 279-9404,  
or visit [www.gewater.com/equipment/valve/index.jsp](http://www.gewater.com/equipment/valve/index.jsp)

