

Autotrol® Performa™ Family Fact Sheet

Supercharge your profits with the Performa Series Control Valves!

The new Autotrol® Performa™ Series control valves give today's water treatment professional the tools to gain the competitive edge. High quality, high-performance products are the cornerstone of the independent water treatment dealer, and the Performa series gives you just that! The complete Performa line is the envy of the industry, providing everything from economic systems for the residential market to high-performance filtration systems for the light commercial market.

The exceptional flow rate for the Performa series control valves allows the home owner to feel at ease knowing that they will always have adequate soft water, at good flow rates, no matter the size of their home or their water usage. They will always have adequate flow for their long morning shower, or for keeping up with their growing family. The Performa Cv products are perfect for businesses, giving outstanding commercial performance at a great value. The Performa series offers a control that can handle all types of problem water either through conditioning or filtration. These systems include:

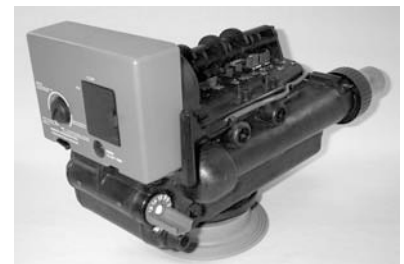
Performa 268/440i



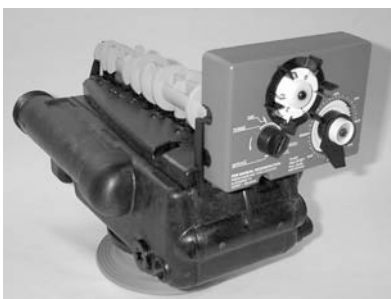
The Performa 268/440i is our entry-level 5-cycle water softener control valve. It is a full 1-inch control with 25 GPM (94.6 LPM) service flow and 13.3 GPM (50.3 LPM) backwash capability. This high-value control will work with softeners up to 14 inches (35.5 cm) and 3 cubic feet (0.085 cubic meters) of resin. The 440i timer control features fixed regeneration times for ease of installation. This control uses a black cam.

Performa 268/460i

The Performa 268/460i is a low-cost high-performance demand control valve. This 5-cycle softener control will backwash at 13.3 GPM (50.3 LPM) and provide service water at 25 GPM (94.6 LPM), working with softener systems up to 14 inches (35.5 cm) in diameter. The controller uses metered-water demand regeneration with variable reserve, and features a calendar override option as well as NOVRAM memory. The control uses the black cam.



Performa 263/440i



The Performa 263/440i is a basic 3-cycle backwash filter valve for systems that do not require a regenerant. The Performa 263 valve features a 20 GPM (75.7 LPM) backwash and 25 GPM (94.6 LPM) service flow capability. This control will backwash system tank sizes up to 14 inches (35.5 cm) (media dependent). The 440i control features a 6- or 7-day regeneration option. This control valve uses a gray cam.

Performa ProSoft 268/960

The Performa ProSoft is a 5-cycle water softener control with cocurrent brining, and demand regeneration with a variable or fixed reserve. It is a full 1-inch (2.5-cm) control valve with 20 GPM (75.7 LPM) backwash and 25 GPM (94.6 LPM) service flow capability. Softeners with up to 14-inch (35.5-cm) diameter tanks can use this control valve. The Performa ProSoft has fully programmable cycle times. The control face has the ProSoft logo, and the cam is black.



Performa Filter 263/940F



The Performa filter control is a 3-cycle filter control for backwashing filter media that do not require regenerant. The control utilizes the 940 Series mechanical timer in 7-day or 12-day regeneration modes. This control has a 25 GPM (94.6 LPM) service flow rate with a 20 GPM (75.7 LPM) backwash rate, and features an adjustable backwash time of 2-24 minutes. Backwash is up to 20 GPM (75.7 LPM) using internal or external backwash flow controllers. Filters with up to 14-inch (35.5 cm) (media dependent) diameter tanks can utilize the Performa 263/940F control. The control face has the Performa Filter logo, and the cam is gray.

The Performa filter control with the 960F is a 3-cycle volumetric filter that is programmed for a specific gallon or metric water usage before the system backwashes. It has a turbine installed in the outlet to measure actual usage. It is designed for maximum efficiency and water savings by operating as a demand filter. This control has a 25 GPM (94.6 LPM) service flow rate and a 20 GPM (75.7 LPM) backwash rate. The 263/960F also can be used as an electronic time clock by utilizing its calendar override feature. The control can be programmed to automatically backwash at fixed time intervals from 1 to 30 days. The control face has the Performa Filter logo, and the cam is gray.

Performa Filter 263/960F



Performa 268FA



The Performa 268 FA is a valve featuring the 440i clock timer with a special 20 minute backwash for manganese greensand filters that use potassium permanganate to regenerate. This control has a 25 GPM (94.6 LPM) service flow rate and a 13.3 GPM (50.3 LPM) backwash rate. It is a 5-cycle valve designed to be used with a potperm feeder. The cam is purple on this version.

Performa Cv 278 Conditioner/962/962TC Controller

The Performa Cv 278 is a rugged 5-cycle commercial conditioner control with standard down-flow co-current regeneration. It is a full 1-inch (2.5 cm) control valve, specially ported to achieve higher performance using the Performa valve body. This control will achieve 25 GPM (94.6 LPM) backwash rates, and 25 GPM (94.6 LPM) service flow rates. The Performa Cv will work on conditioning systems with up to 21-inch tanks and for most conditioning resins. The 962 Series controller has added features above the 960 controller, giving it a real advantage on light commercial installations. The large 6-digit LED display provides additional diagnostic capabilities, and an interconnect cable allows the controller to connect to other 962 controls for multi-tank applications. The 962TC electronic time clock gives you dependable time-initiated regeneration, while maintaining the full programmability of the 962 controller. This commercial valve features a 5-year warranty! The control face is black and the cam is black.



Performa Cv 273 Filter/942F/962F/962FTC



The Performa Cv 273 filter control valve is a high-performance filter featuring a Cv of 5.0, allowing it to be used on carbon filters in the range of 21 to 24-inch tanks, and multimedia filter applications in the range of 16 to 18-inches. This control will achieve 25 GPM (94.6 LPM) backwash rates, and 25 GPM (94.6 LPM) service flow rates. The Performa Cv filter can be teamed-up with the 942F mechanical timer control, the 962FTC electronic timer controller, or the innovative 962F electronic demand controller. The performance and price position of this Performa Cv filter control valve make it a natural extension of the Performa series and an excellent value for light commercial applications. This control valve features a black faceplate and a gray cam.

Outstanding Features:

The Autotrol Performa series valves are more than just a powerhouse high flow-rate control. The Performa series control valve combines design simplicity and robust construction that gives your customers an uncommonly reliable appliance. The inherent reliability in this control valve provides a strategic advantage when selling against other water treatment systems. The Performa series control gives you a number of profitable selling features like:

- Fewer parts than any control system of comparable function, reducing overall maintenance and service needs.
- Control valve is designed for easy installation, reducing the amount of time per installation call.
- Automatic drain flow controller reduces the need for costly additional pieces (larger commercial installations may require an external drain flow control).
- Direct Action system functions independently of water pressure. There are no pistons or diaphragms that require a minimum water pressure to operate.
- DuraFlow™ valve discs are held closed by water pressure and are leak-tight. Valve discs seat in the vertical position, which is the design position least vulnerable to plugging.
- System operation cannot get out of phase or sequence. The control valve will always return to a fixed service position regardless of where the regeneration cycle was started.
- Durable Noryl* construction ensures a light-weight, robust valve that will last well beyond its pioneering 5-year warranty.
- Bypass water is automatically available during the regeneration cycle.

Your Electronics Advantage

Electronics in water treatment were pioneered with Autotrol brand products more than 20 years ago. We continue that tradition with time-proven electronic controls that offer the most advantageous features on the market today.

The Autotrol 460i Controller

Based in the tradition of our original demand electronics, this control series has been proven in millions of installations world wide, and continues to lead the industry today. The 460i series controller is based on two key components. The miniature computer on the circuit board gives you unique features, and the reliable Autotrol brand one-inch turbine water meter. The 460i boasts many special features, such as:

- NOVRAM: memory retention recalls all of the data stored in the microprocessor. You do not need to worry about losing settings or the time in the event of a power failure. Hardness and capacity settings are not lost in a power failure.
- Self Adjusting Reserve: the 460i keeps a running total of the last 7 days water usage, and calculates how much soft water is needed for the next 24 hour period. This guarantees that your home-owner customers will not run out of soft water, while keeping the reserve at a minimum for optimal economy.
- Intuitive Control: the 460i is programmed to recognize a day of very little or no water usage as an abnormality, and will not include those abnormal days in calculation of the reserve.
- Design Reliability: Solid-state electronics assure many years of trouble-free performance.
- Time Display: the 460i controller shows the correct time of day during normal conditioner operation, even displaying a.m. or p.m. on the controller.
- Flow indicator: a flashing LED light flashes on the control indicating when water is being used.
- Guest Cycle: an extra regeneration can be performed at any time at the push of a button on the control. This is beneficial if you expect more than normal water usage.

*Noryl is a Trademark of the General Electric Company.

- **Calendar Override:** This unique feature allows for the control to automatically initiate a regeneration if the unit's water usage hasn't been enough to initiate a regeneration after a given period of time. This will help keep the resin bed fully regenerated if water usage is very low. The 460i calendar override can be programmed from 1 to 15 days.

The Autotrol 96X Series Electronic Controller

The 96X Series controller gives you features that can really help you sell. Today's water treatment professional needs unique selling features to remain competitive! The 96X Series controller, teamed up with the Performa series control gives you such features as:

- Fully Programmable Cycle Times allow you to install and program the control to your home-owner customer's exact water needs. All five cycles in the regeneration process can be fine tuned to your exact specification.
- Battery-Backup Feature will keep the time of day, and track water usage for up to two days in the event of a power failure.
- NOVRAM memory retention recalls all of the data stored in the microprocessor. You do not need to worry about losing settings or the time in the event of a power failure. Hardness, capacity and other program settings are not lost in a power failure.
- Automatic Double-Regeneration for exhausted resin beds. If water usage exceeds 150% of the system capacity between regenerations, the control will automatically initiate a second regeneration ensuring the exhausted bed is completely recharged.
- Selectable Reserve Options: The 96X Series control gives you the ability to set the system for one of four different reserve options to meet your customer's exact needs.
- End-user lock-out: The control can be programmed to freeze the values for Salt Amount and Capacity so the home owner customer cannot alter them after installation.
- US or Metric units of measure make this control an international contender.
- Calendar Override: You can program into the control a specific calendar override time, ensuring that the system's resin bed won't foul after an extended period of no regenerations. The system will automatically regenerate at the programmed time interval of 1-30 days.
- Gallons Remaining Feature: the display shows the home owner how many gallons of conditioned water remain before regeneration. The display counts down as water is used. This feature also confirms turbine meter operation.
- Guest Cycle: The home owner can initiate a regeneration at the push of a button, if they expect a day with high water usage. For example: a heavy laundry day.
- Manual Double Regeneration allows for the home owner to manually initiate a double regeneration without having to wait for the first one to complete hours later. This gives them the ability to completely recharge the resin bed easily.
- Design Reliability: Solid-state electronics assure many years of trouble-free performance. The meter system has only one moving part, to reduce the likelihood that it can become fouled with sediment.

For More Information:

Call **Osmonics Household Water Group** at **(262) 238-4400** or **(800) 279-9404** in the U.S. or visit **www.osmonics.com**



OSMONICS

North America Sales

5730 North Glen Park Road
Milwaukee, WI
53209-4454
USA
(262) 238-4400 Phone
(262) 238-4402 Fax

Euro/Africa Sales

230 rue Robert Schuman
ZA des Uselles
F-77350 Le Mée sur Seine
FRANCE
+33 1 64 10 2000 Phone
+33 1 64 10 3747 Fax

Asia/Pacific Sales

1044/8 SOI 44/2
Sukhumvit Road Prakanong
Bangkok 101 10
THAILAND
+66 2 38 14213 Phone
+66 2 39 18183 Fax