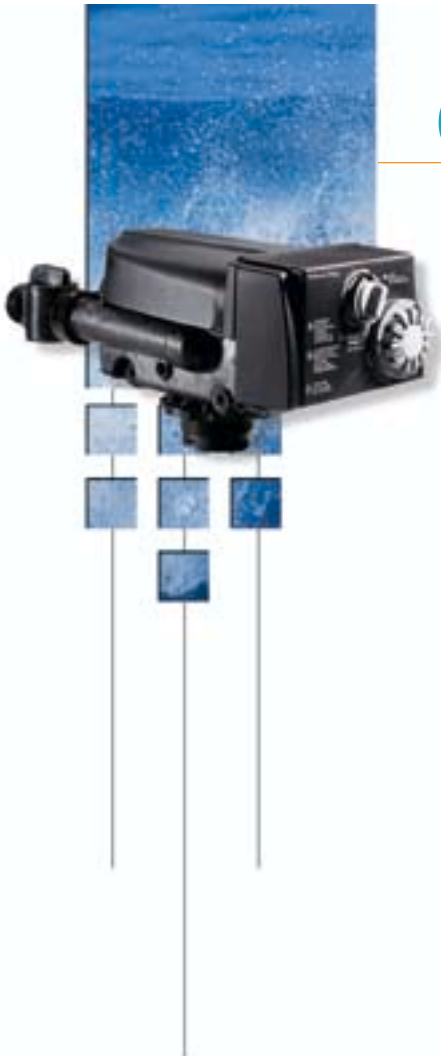


# Osmonics®

## Autotrol® Product Specifications

## Performa™ Filter Valve 940F



### ■ Flow Rates (Valve Only)

- Service @ 15 psi (1.03 bar) drop..... 25.0 gpm (5.68 m³/h)
- Backwash (Filter) @ 25 psi (1.72 bar) drop ..... 20.0 gpm (4.54 m³/h)
- Service..... Cv = 6.5 (Kv = 5.58)
- Backwash Filter ..... Cv = 4.0 (Kv = 3.46)

### ■ Control Operation

- Timer Configuration ..... Time Clock, 7 or 12 Day
- Cycles: Length: (Standard)
- Backwash ..... 2- 24 Minutes
- Fast Rinse..... 8 Minutes

### ■ Valve Connections/Dimensions

- Tank Thread..... 2-1/2 inches – 8, Male
- Inlet/Outlet ..... 1-3/4 inches –12 UNC-2A Male
- Drain Line ..... 3/4-inch NPT, Male
- Brine Line ..... 1/4-inch NPT, Male
- Distributor Tube O.D. Diameter..... 1.050 inches (27 mm)
- Distributor Tube Length..... 1/2 ± 1/2 inches (13 mm ± 13 mm) Above Tank

### ■ Design Specifications/Ratings

- Valve Body ..... Glass-Filled Noryl\*
- Rubber Components..... Compounded for Cold Water
- Weight (Valve with Control) ..... 5 lbs (2.0 Kg)
- Transformer Output..... 12VAC 400 mA
- Transformer Input..... 115V 50/60 Hz; 230V 50/60 Hz;  
100V 50/60 Hz
- Recommended Operating Pressure..... 20 - 120 psi (1.38 - 8.27 bar)  
Canada..... 20 - 100 psi (1.38 - 6.89 bar)
- Water Temperature..... 35° - 100°F (2° - 38°C)

### ■ Options

- Bypass Valve, Model 1265 ..... 1-3/4 inches - 12 UNC-2A Male
- Bypass Inlet/Outlet Fitting Kits:
  - Copper, Sweat Tube Adapter..... 1-inch or 3/4-inch or 28 mm or 22 mm
  - CPVC, Solvent Weld Tube Adapter ..... 1-inch or 3/4-inch or 25 mm
  - Plastic NPT or BSPT Pipe Adapter..... 1-inch Male or 3/4-inch Male
  - Brass NPT or BSPT Pipe Adapter ..... 1-inch Male or 3/4-inch Male

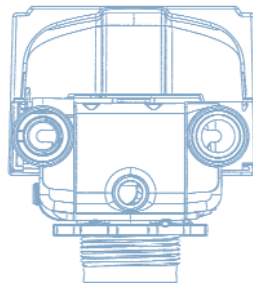
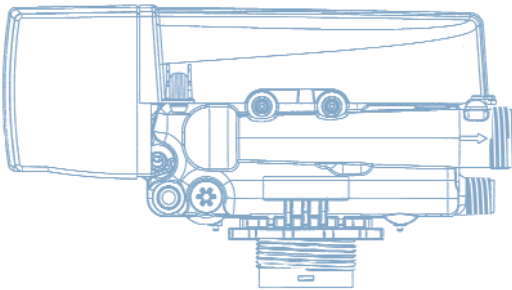
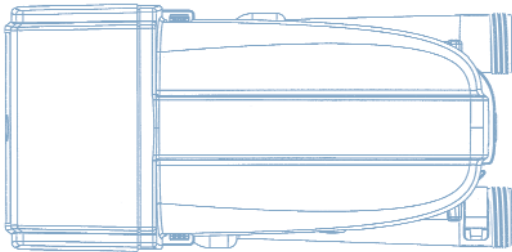
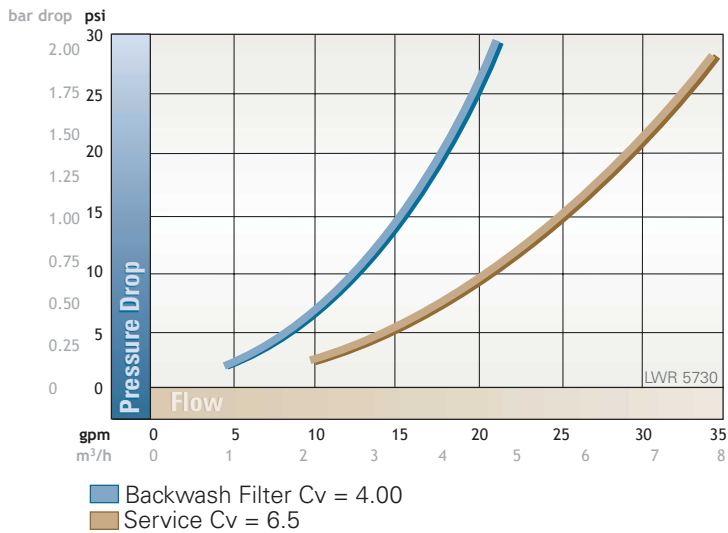
### ■ Backwash Flow Control Table

| Backwash Number  | 7    | 8    | 9    | 10   | 12   | 13   | 14   |
|------------------|------|------|------|------|------|------|------|
| Flow Rate (gpm)  | 1.3  | 1.7  | 2.2  | 2.7  | 3.9  | 4.5  | 5.3  |
| Flow Rate (m³/h) | 0.29 | 0.39 | 0.50 | 0.61 | 0.88 | 1.02 | 1.20 |

External backwash flow controls available for flow rates of 5 gpm (1.13 m³/h), 6 (1.36 m³/h), 7 (1.59 m³/h), 8 (1.82 m³/h), 9 (2.04 m³/h), and 10 (2.27 m³/h).

\*Noryl is a trademark of General Electric Company.

## ■ Pressure Loss Characteristics



Autotrol Brand  
Residential Controls



### For More Information:

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



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