

Osmonics®

Autotrol® Product Specifications

Performa™ Cv Filter Valve 942F/962F/962FTC



■ Flow Rates (Valve Only)

- Service @ 15 psi (1.05 Kg/cm) drop 25.0 gpm (5.7 m³/h)
- Backwash (Filter) @ 25 psi (1.76 Kg/cm) drop 25.0 gpm (5.7 m³/h)
- Service..... Cv = 6.5 (Kv = 5.58)
- Backwash Filter Cv = 5.0 (Kv = 5.78)

■ Control Operation

■ Control Configurations:

942F Mechanical Clock Timer

Optional 7 Day or 12 Day

Adjustable Backwash 8 - 30 Minutes

Fixed Fast Rinse 9 Minutes

962 Microprocessor Demand System

Cycles:

Length Programmable

Backwash 3 - 30 Minutes

Fast Rinse..... 2 - 19 Minutes

Flow Meter Options:

1-inch Autotrol Turbine

2-inch Autotrol Turbine with 1-1/2-inch Connectors

Signet 2536

Data Industrial 220B

Contacting Head Meters

962 Electronic Time Clock

Cycles:

Length Programmable

Backwash 3 - 30 Minutes

Fast Rinse..... 2 - 19 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) 4.5 lbs (2.0 Kg)
- Transformer Output..... 12VAC 400 mA (4.6 VA)
- Transformer Input..... 115V 50/60 Hz; 230V 50/60 Hz; 100V 50/60 Hz
- Recommended Operating Pressure..... 20 - 120 psi (1.40 - 8.43 Kg/cm)
 - Canada..... 20 - 100 psi (1.40 - 7.03 Kg/cm)
- Water Temperature..... 35° - 100°F (2° - 38°C)

*Noryl is a trademark of General Electric Company.

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 Requirements*

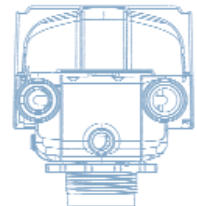
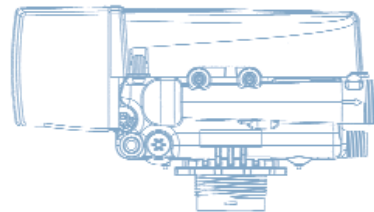
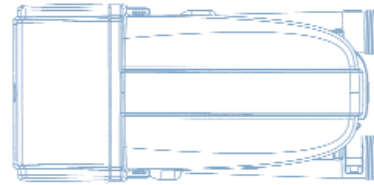
Tank Diameter Inches (mm)	Bed Area sq. ft.	GAC/CARBON FILTER AG, CALCITE			
		GREENSAND		SAND, MULTI-MEDIA	
		8 gpm/sq. ft. (Lpm/sq. ft.)	10 gpm/sq. ft. (Lpm/sq. ft.)	BIRM	15 gpm/sq. ft. (Lpm/sq. ft.)
				12 gpm/sq. ft. (Lpm/sq. ft.)	
14 (35.6)	1.02	8 (30)	10 (38)	12 (45)	15 (57)
16 (40.6)	1.38	11 (42)	13 (49)	16 (61)	20 (76)
18 (45.7)	1.76	14 (53)	17 (64)	21 (79)	26* (98)
21 (53.3)	2.40	19 (72)	24 (91)	29* (98)	
24 (60.9)	3.14	25 (95)			

*Based on 55°F (12.7°C) water temperature.

**May exceed 25 psi or 1.76 Kg/cm pressure drop.

Pressure Loss vs. Flow

PSI (Kg/cm)	Service (Cv 6.5)	Backwash (Cv 5.0)
	gpm (Lpm)	gpm (Lpm)
5 (0.35)	15 (56)	11 (42)
10 (0.70)	20 (76)	16 (61)
15 (1.00)	25 (95)	19 (72)
20 (1.40)	29 (109)	22 (83)
25 (1.70)	32 (121)	25 (95)
30 (2.10)	35 (132)	27 (102)



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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