

# Halsey Taylor® Aqua Sentry

Lead, Cyst, Chlorine, Taste & Odor, Atrazine, Lindane, and Particulate Class I Reduction Filter  
Filter Part No. 56191C For HWF142

## FOR COMMERCIAL USE ONLY PERFORMANCE DATA SHEET



HWF142 - Aqua Sentry  
NSF/ANSI 42,  
NSF/ANSI 53 and  
NSF/ANSI 372  
certified

**IMPORTANT NOTICE:** Read this Performance Data Sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that, before purchasing a water treatment unit, you have your water supply tested to determine your actual water treatment needs.

**NOTICE:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

This water filter should be installed and used in compliance with any state or local laws and regulations.

**CAUTION:** Use on cold water line only. Do not allow installed filter to freeze.

RECOMMENDED USE CONDITIONS			
Capacity	500 Gallons 6 Month Maximum	Maximum Pressure	100 PSI (6.89 bar)
Flow Rate	0.5 GPM	Minimum Pressure	20 PSI (1.4 bar)
Temperature	35°-100° F (2°-38° C)		

NOTE: Performance will vary depending on local water conditions.

### Instructions For Installing Replacement Filters

1. Turn off water supply and dispense water to relieve water pressure.
2. Mount filter in a suitable location with water flow in direction indicated on filter. This filter is most effective when installed so that water flows through the filter in a downward direction. Do not support the filter using the inlet or outlet tubing. A plastic snap-in bracket, p/n 56190C, is available that can be screwed onto a flat surface.
3. Connect the cold water supply to the filter through a shut-off valve and 1/4" O.D. tubing (supplied by the installer). For ease of servicing, the shut-off valve should be located within easy reach of the filter.

**Note:** The inlet and outlet fittings supplied as a part of the filter are John Guest fittings that accept 1/4" O.D. tubing. They may be used with copper, semi-rigid nylon or polypropylene tubing with a rated working pressure equal or greater than encountered in application. Do not use soft braided tubing.

4. **Caution:** If supply pressure will ever exceed 100 psi, install a pressure regulator to limit the inlet pressure to the filter to 20 - 100 psi range. To make connections to the filter, push tube end in the fittings past the o-ring to a positive stop - approximately 5/8". Ends of tubing must be cut square and free of burrs, sharp ends or scratches that could cut or nick the o-rings or cause a leak.
5. Turn water supply on and check fittings for leaks.
6. Dispense approximately 1 gallon of water to flush any particulate from the filter.

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### LIMITED WARRANTY

The Halsey Taylor® Aqua Sentry is warranted to be free from defects in material and workmanship for a period of one year from the date of installation. Warranty is limited to repair or replacement of defective component.

The Halsey Taylor® Aqua Sentry filter has been tested according to NSF/ANSI 42 and 53 for reduction of the substances listed below. The concentration of the indicated substance in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42 and 53.

Substance	Influent Challenge Concentration	Maximum Permissible Product Water Concentration	Reduction Requirements	Minimum Reduction	Average Reduction
<b>NSF / ANSI Standard 42 Aesthetic Effects</b>					
Chlorine Taste & Odor	2.0 mg/L ± 10%		≥ 50%	94.8%	97.4%
Particulates (0.5-<1m)-Class 1	at least 10,000 particles/mL		≥ 85%	99.5%	99.8%
<b>NSF / ANSI Standard 53 Health Effects</b>					
Cysts	Minimum 50,000/L		99.95%	99.95%	99.9%
Lead (pH 6.5)	0.15 mg/L ± 10%	0.010 mg/L		99.3%	99.3%
Lead (pH 8.5)	0.15 mg/L ± 10%	0.010 mg/L		96.6%	96.9%
Atrazine	0.009 mg/L ± 10%	0.003 mg/L		83.2%	91.7%
Lindane	0.002 mg/L ± 10%	0.0002 mg/L		94.5%	98.2%

Testing was performed under standard laboratory conditions, actual performance may vary.

#### Test Conditions

Flow Rate	= as noted for filter system
Inlet Pressure	= 60 psi (4.1 bar)
pH	7.5 ± 1
Temperature	= 68°F ± 5°F (20°C ± 2.5°C)

#### Operating Requirements

Pressure	= 20-100 psi (1.4-6.89 bar)
Temperature	= 35° - 100°F (2° - 37.8°C)
Turbidity	= 5 NTU Max.

Recommendation: Filter to be replaced every 6 months or when changes in taste, odor, color and/or flow of the water occurs.

Order Replacement Filter 56191C

**Halsey Taylor®**

2222 CAMDEN COURT  
OAK BROOK, IL 60523  
630.574.3500  
PRINTED IN U.S.A.

FOR REPLACEMENT FILTER, PLEASE CALL 1.630.574.3500