



Performance Data Sheet  
**Model: APPR05500**  
 Reverse Osmosis / Activated Carbon Drinking Water Appliance

System tested and certified by NSF International against NSF/ANSI Standard 58 for the reduction of the claims specified on the Performance Data Sheet.

This system has been tested according to NSF/ANSI Standard 58 for the reduction of the substances listed below. The concentration of the indicated substances 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 Standard 58.

**Contaminant Reduction Performance**

Substance	Average Influent	Influent Challenge Concentration. Units apply to each row	Product Water	Average % Reduction	NSF Reduction Requirement	Min. % Reduction
Parasitic Protozoan Cyst	90615	Minimum 50,000 /mL	10.0	99.98	99.95%	99.98
Arsenic (pentavalent)	0.32	0.30 mg/L + 10%	0.0033	98.9	0.01	98.3
Barium	9.6	10 mg/L ± 10%	0.067	99.3	2.00	99.1
Cadmium	0.029	0.03 mg/L ± 10%	0.0004	98.6	0.005	97.2
Chromium, (Hex.)	0.30	0.3 mg/L ± 10 % (added as hexavalent)	0.005	98.3	0.1	97.0
Chromium, (Tri.)	0.31	0.3 mg/L ± 10 % (added as trivalent)	0.001	99.5	0.1	99.4
Copper	3.1	3.0 mg/L ± 10%	0.04	98.7	1.3	97.4
Fluoride	3.1	8.0 mg/L ± 10%	0.37	95.2	1.5	93.1
Lead	0.15	0.15 mg/L ± 10%	0.004	97.5	0.01	93.4
Radium 226/228	25 pCi/L	25 pCi/L ± 10%	5 pCi/L	80	5 pCi/L	80
Selenium	0.1	0.10 mg/L ± 10% (added as 1/2 selenite and 1/2 selenate)	0.006	94	0.05	91.2
Turbidity	89	11 ± 1 NTU	0.25	99.7	0.5 NTU	99.5
TDS	765	750 mg/L ± 40 mg/L (added as sodium chloride)	61	92	187	90

\*\* Except as noted, units in each row are mg/L

**WARNING**

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 water that may contain filterable cysts. EPA Establishment Number 070595-C1-001

**CAUTION**

- To reduce the risk associated with property damage due to water leakage:
- Read and follow Use Instructions before installation and use of this system;
  - Installation and Use must comply with existing state or local plumbing codes;
  - **Protect filter from freezing.** Drain filter when room temperature drops below 40°F (4.4°C);
  - Do not install if water pressure exceeds 125 psi (862 kPa). If your water pressure exceeds 125 psi, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure;
  - Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition;
  - Install on cold water lines **only**. Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 100°F (37.8°C);
  - The disposable filter cartridge **must** be replaced every six months or at the specified service cycle;
  - Do not install near water pipes which will be in path of a drilling tool when selecting the position to mount the bracket;
  - Mount filter in such a position as to prevent it from being struck by other items used in the area of installation (waste baskets, etc.).

Note that while the testing was performed under standard laboratory conditions, actual performance may vary. Systems must be installed and operated in accordance with manufacturer's recommended procedures and guidelines. Failure to do so may void warranty.



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# APPRO5500

## Application Guidelines/Water Supply Parameters

Membrane Type	TFCM	Water Supply Parameters	
Water Supply: chlorinated or non-chlorinated		Chemical	Limit
Water Pressure	30 - 125 psi (207 - 862 kPa)	Hardness	<350 mg/L
Water Temperature (Cold water use only)	40° - 100°F (4.4° - 37.8°C)	Iron	<0.1 mg/L
		Manganese	<0.05 mg/L
pH Range	4.0 - 11.0	Hydrogen Sulfide	0
Maximum TDS Level	2000	Turbidity	<1 NTU

System Production: 11 gal/day (41.6 L/day)

System Efficiency: 13.2%. Efficiency rating means the percentage of the influent water to the system that is available to the user as reverse osmosis treated water under operating conditions that approximate typical daily usage.

### Components

Sediment Prefilter: 5 Micron Depth / Activated Carbon  
 Membrane Type: Thin Film Composite (TFCM)  
 Tank Capacity: 2.22 gal max. (8.4 liters)  
 See parts diagram on other side for details.

This system shall only be used for arsenic reduction on chlorinated water supplies containing detectable residual free chlorine at the system inlet

**⚠ WARNING**  
 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 water that may contain filterable cysts. EPA Establishment Number 070595-CT-001

It is essential that operational, maintenance and filter replacement requirements be carried out for this product to perform as advertised. **Change carbon cartridges every 6 months.** Flush new cartridge for 5 minutes. Change the reverse osmosis element every three years. Flush new element as described in Section M of the Owner's Manual.

### Important Quality Assurance Requirements

These Reverse Osmosis Drinking Water Appliances contain treatment components that are critical for effective reduction of Total Dissolved Solids as well as inorganic contaminants. We strongly recommend that the user test the water a minimum of every 6 months to verify that the appliance is performing satisfactorily. A built in Percent Rejection (PR) water quality monitor is available\* to provide the user with a means to test the water at any time, or your dealer may offer a semi-annual testing service.

This reverse osmosis system contains a replaceable component (part number 66-5706PRI) critical to the efficiency of the system. Replacement of the reverse osmosis component should be with one of identical specifications, as defined by the manufacturer, to assure the same efficiency and contaminant reduction performance.

\* as an option at additional cost