

PERFORMANCE DATA

Important Notice: Read this performance data and compare the capabilities of this system with your actual water treatment needs. It is recommended that before installing a water treatment system, you have your water supply tested to determine your actual water treatment needs.

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

NOTE: Substances that may be reduced are not necessarily in your water. Filter must be maintained according to manufacturer's instructions, including replacement of filter cartridges.

The tested efficiency rating for this system is 15.80%. 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. The tested recovery rating is 27.40%. Recovery rating means the percentage of the influent water to the membrane portion of the system that is available to the user as reverse osmosis treated water when the system is operated without a storage tank or when the storage tank is bypassed.

PB5R0-75

Substance	Influent Challenge Concentration	Maximum Permissible Product Water Concentration	Reduction Requirements	Average Reduction
Standard 58				
Arsenic V	0.050 mg/L ± 10%	0.010 mg/L		97.6%
Barium	10.0 mg/L ± 10%	2.0 mg/L		96.7%
Cadmium	0.03 mg/L ± 10%	0.005 mg/L		98.2%
Chromium III	0.3 mg/L ± 10%	0.1 mg/L		97.6%
Chromium VI	0.3 mg/L ± 10%	0.1 mg/L		97.0%
Copper	3.0 mg/L ± 10%	1.3 mg/L		98.8%
Cysts*	Minimum 50,000/mL		99.95%	99.99%
Fluoride	8.0 mg/L ± 10%	1.5 mg/L		96.2%
Lead	0.15 mg/L ± 10%	0.010 mg/L		99.0%
Radium 226/228	27pCi/L ± 10%	5pCi/L		80%
Selenium	0.10 mg/L ± 10%	0.05 mg/L		98.0%
Total Dissolved Solids	750 mg/L ± 40 mg/L	187 mg/L		94.9%
Turbidity	11 mg/L ± 1 NTU	0.5 NTU		99.1%
Standard 42				
Chlorine	2 mg/L		>=50%	93.0%

Production Rate: 24.83 gpd



The PB5R0-75 is Tested and Certified by NSF International against NSF/ANSI Standard 42 and 58 for the reduction of substances listed in the table above.

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

CALIFORNIA PROPOSITION 65 WARNING

⚠ WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

Arsenic Fact Sheet

Arsenic (abbreviated As) is found naturally in some well water. Arsenic in water has no color, taste or odor. It must be measured by a lab test. Public water utilities must have their water tested for arsenic. You can get the results from your water utility. If you have your own well, you can have the water tested. The local health department or state environmental health agency can provide a list of certified labs. The cost is typically \$15 to \$30. Information about arsenic in water can be found on the Internet at the US Environmental Protection Agency web site: www.epa.gov/safewater/arsenic.html.

There are two forms of arsenic: pentavalent arsenic [also called As(V), As(+5), and arsenate] and trivalent arsenic [also called As(III), As(+3) and arsenite]. In well water, arsenic may be pentavalent, trivalent, or a combination of both. Special sampling procedures are needed for a lab to determine what type and how much of each type of arsenic is in the water. Check with the labs in your area to see if they can provide this type of service.

Reverse osmosis (RO) water treatment systems do not remove trivalent arsenic from water very well. RO systems are very effective at removing pentavalent arsenic. A free chlorine residual will rapidly convert trivalent arsenic to pentavalent arsenic. Other water treatment chemicals such as ozone and potassium permanganate will also change trivalent arsenic to pentavalent arsenic. A combined chlorine residual (also called chloramine) may not convert all the trivalent arsenic. If you get your water from a public water utility, contact the utility to find out if free chlorine or combined chlorine is used in the water system.

The PB5R0-75 system is designed to remove pentavalent arsenic. It will not convert trivalent arsenic to pentavalent arsenic. The system was tested in a lab. Under those conditions, the system reduced 0.30 mg/L (ppm) pentavalent arsenic to 0.010 mg/L (ppm) (the USEPA standard for drinking water) or less. The performance of the system may be different at your installation. Have the treated water tested for arsenic to check if the system is working properly.

The RO component of the PB5R0-75 system must be replaced every 12-24 months to ensure the system will continue to remove pentavalent arsenic. The component identification and locations where you can purchase the component are listed in the installation/operation manual.

*NSF/ANSI Standard 58 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means.

EPA Est. #082989-CHN-001

Trademark/Model Designation

Pentair Water PB5RO-75

Replacement Elements

PW-RO75R (RO Membrane)
 PW-S2500R (Pre Filters)
 PW-C5000R (Pre Filters)
 PW-C5000R (Pre Filters)
 PW-C2500R (Post Filter)

Manufacturer: Pentair Residential Filtration, LLC

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Cysts*
 Turbidity

Organic Contaminants

None

Inorganic/Radiological Contaminants

Arsenic (pentavalent)
 Barium
 Cadmium
 Chromium (hexavalent)
 Chromium (trivalent)
 Copper
 Fluoride
 Lead
 Radium 226/228
 Selenium

Rated Service Capacity: 1250 gal service cycle

Rated Service Flow: 24.8 gpd

Conditions of Certification:

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

*Claims for arsenic reduction shall only be made on water supplies maintaining detectable residual free chlorine at the reverse osmosis (RO) system inlet. Water systems using an in-line chlorinator should provide a minimum of 1 minute chlorine contact time before the RO system.

*NSF/ANSI Standard 58 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means.

LIMITED WARRANTY

Pentair Residential Filtration, LLC, referred to herein as "we" or "us," manufactures its products ("Products") and parts ("Parts") using quality workmanship and materials. Accordingly, Pentair Residential Filtration, LLC warrants to the original purchaser, referred to herein as "you," that its Products and Parts of the brands listed below will be free from material defects in materials and workmanship under normal use and service beginning on the date of manufacture and continuing for the respective warranty coverage period, and subject to the exclusions, as follows:

FILTRATION	
MODEL LINE	WARRANTY COVERAGE PERIOD
Pentek housings & systems	1 year
Pentek Quick Change systems	1 year as of 1/1/13
Pentek opaque housings (caps & sumps)	5 years
GE® & Pentair membrane elements	1 year
Freshpoint electronic controls and turbine meter	5 years
Freshpoint membrane housings, fittings and solenoid valves	1 year
Replacement Products & Parts	The remainder of the original warranty period or 30 days from the date of replacement, whichever is longer.

EXCLUSIONS FROM THIS LIMITED WARRANTY

This warranty does not cover the following instances:

- A. Warranty exclusions applicable to all Products and Parts:
 1. Defects not reported to us within the applicable warranty period;
 2. Membrane fouling or scaling;
 3. Any items manufactured by other companies. Such items may carry warranties offered by the original manufacturers. This includes any service Parts used that are manufactured by other companies, including but not limited to, motors, pistons, seal kits, spacer kits, bypass valves, brine connections & devices, or any other non-Pentair Parts;
 4. Problems resulting from failure to comply with installation, operation or maintenance instructions or drawings, or improper installation, operation or maintenance;
 5. Damage caused by acts of nature or problems resulting from abuse, misuse, negligence or accident;
 6. Problems resulting in whole or in part from alteration, modification or attempted repair of these Products or Parts by any party other than us or a party we have approved in writing;
 7. Damage or failure of a Product or Part caused by friction, wear, chemical attack, or debris build-up on Wear Parts. "Wear Parts" include, but are not limited to: pistons, piston rods, seals, spacers, end cap quad rings, and brine valves on all piston operated valves, as well as valve disk flappers on Autotrol valves, and parts requiring replacement under recommended maintenance procedures, such as filter housing O-rings and gaskets;
 8. Valves exposed to excessive levels of the following list of contaminants require maintenance as part of a yearly service schedule:
 - a) Ozone: > 0.0 mg/l
 - b) Chlorine or chloramines: > 4mg/l
 - c) Hydrogen Sulfide
 - d) pH: < 6 or > 9
 - e) Iron: in concentrations sufficient to cause scuffing on piston and seal surfaces
 - f) Manganese: in concentrations sufficient to cause scuffing on piston and seal surfaces
 - g) Sand and Suspended Solids: in concentrations sufficient to cause scuffing on piston and seal surfaces;
 9. Due to water conditions, some Products or Parts may require maintenance or cleaning during the warranty period. Products or Parts returned due to debris build up, including, but not limited to, plugged filters, are not covered under this warranty;
 10. Noncompliance with applicable codes, and ordinances including without limitation, plumbing codes;
 11. Damage due to impacts, corrosive liquids, gases, or chemicals;
 12. Damage due to hydro-pneumatic or pneumatic use; and
 13. Labor to install warranted parts and trip charges including mileage are the responsibility of the system owner.