Substance Reduction[1]

Aquasential RO/Aquasential Smart RO/Aquasential Smart RO Nitrate with Post-filter (Post 1 P/N 01038123, Post 2 P/N 01038124)

These systems have been tested and certified by the Water Quality Association according to NSF/ANSI/CAN 372, NSF/ANSI 58, NSF/ANSI 42, and CSA B483.1 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 by NSF/ANSI 58, NSF/ANSI 42, and CSA B483.1. While testing was performed under standard laboratory conditions, actual performance may vary.

Substance	Influent Challenge Concentration (mg/L)	Max. Permissible Product Water Concen-tration (mg/L)	Minimum Percent Removal RO & RO (2yr)	Minimum Percent Removal Aquasential Smart RO, Smart RO (2yr), Smart RO Nitrate & Smart RO (2yr) Nitrate	Aqua-sential RO	Aqua-sential Smart RO	Aqua-sential Smart RO Nitrate	Aqua-sential RO (2yr)	Aqua-sential Smart RO (2yr)	Aqua-sential Smart RO (2yr) Nitrate
					Flow Rate = 0.75 gpm (2.84 Lpm)*					
					Capacity 1,000 gallons (3786 L)*			Capacity 2,000 gallons (7570 L)*		
					Average Percent Removal					
Nitrate[5]	27.00 +/- 10%	10.0	62.8%	**72.6%	72.7%		79.4%	72.7%		79.4%
Nitrite	3.00 +/- 10%	1.0	65.3%	**68.4%	73.9%		79.7%	73.9%		79.7%

* Flow rate and capacity information is applicable to aesthetic chlorine reduction.

**Nitrate and Nitrite minimum percent removal is only applicable to the Aquasential Smart RO Nitrate and Smart RO (2yr) Nitrate models only.

[1] While testing was performed under standard laboratory conditions, actual performance may vary depending on water pressure, temperatures and other substances, which may be found in your water.

[2] These systems have been tested for the treatment of water containing pentavalent arsenic (also known as As(V), As(+5) or arsenate) at concentrations of 0.050 mg/L or less. This system reduces pentavalent arsenic, but may not remove other forms of arsenic. These systems are to be used on water supplies containing a detectable free chlorine residual at the system inlet or on water supplies that have been demonstrated to contain only pentavalent arsenic. Treatment with chloramines (combined chlorine) is not sufficient to ensure complete conversion of trivalent arsenic to pentavalent arsenic. Please see the Arsenic Facts Sheet for further information.

[3] Based upon testing methods using Barium as a surrogate. All concentrations in pCi/L pico curie/L.

[4] Includes Giardia lamblia, Entamoeba histolyca and Cryptosporidium.

[5] Units are not certified on water supplies with a pressure less than 40 psi (280 kPa). A booster pump is strongly recommended.