

AQUASAFE OF CAPE COD

THE WP4 BVC -V PURIFIER FOUR STAGE REVERSE OSMOSIS SYSTEM

This system provides premium purification by reducing a wide range of contaminants – including bacteria, viruses, cysts, and volatile organic chemicals (VOC).

PREMIUM PURIFICATION

Three unique levels of filtration combine to provide comprehensive protection.

- **Microbiological Purifier Block:**
This patented filter provides microbiological interception of bacteria, cysts, and virus at greater than 99.9999%
- **RO (Reverse Osmosis):**
Membrane technology reduces contaminants such as lead, chromium, arsenic, radium 226/228, perchlorate, TDS, and much more.
- **VOC Carbon Block:**
This unique carbon block reduces a long list of volatile organic chemicals (VOC) such as herbicides, pesticides, insecticides, TTHM's, TCE, and much more.

FEATURES

Four Stages of Filtration

1. **5-Micron Sediment Filter:** Reduces dirt, sand, and rust.
 2. **Purifier/Carbon Block:** Patented two stage filtration reduces chlorine taste and odor, and then removes bacteria, virus, and cysts.
 3. **High Production Thin Film RO Membrane:**
Reduces water impurities down to 1/10,000 of a micron.
 4. **VOC Carbon Block:** Reduces volatile organic chemicals.
- Electronic monitoring faucet lets you know when you need to change the filter.
 - One piece manifold makes it easy to install.

BENEFITS

- NSF tested and certified to Standard 58.
- California DHS approved for Water Purifier.
- Four Stage Reverse Osmosis goes beyond standard RO by providing additional microbiological reduction capabilities.
- Greater reliability and higher capacity.



System tested and certified by NSF International against NSF/ANSI Standard 58. Refer to PDS for specific performance claims.

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Sales, installation and maintenance of water purification systems

A Division of The Fuel Company – P.S. Ideal and Earle Fuel · 111 E. Falmouth Highway · E. Falmouth, MA 02536

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THE WP4 BVC -V PURIFIER

FOUR STAGE REVERSE OSMOSIS SYSTEM

PERFORMANCE

Element	% Reduction	Element	% Reduction
Bacteria*	99.9999%	Entamoeba	99.99%
Virus*	99.99%	Fluoride	93.9%
Cysts*	99.99%	Giardia	99.99%
Arsenic (Pentavalent)	98.4%	Lead	98.6%
Barium	97.9%	Perchlorate	96.5%
Cadmium	98.6%	Radium 226/228	80.0%
Chromium (Hexavalent)	91.3%	Selenium	92.0%
Chromium (Trivalent)	94.1%	TDS (Total Disolved Solids)	96.8%
Copper	99.0%	Turbidity	97.5%
Cryptosporidium	99.99%	Toxoplasma	99.99%
*Bacteria, Virus and Cyst includes such organisms as:			
Salmonella	E-Coli	Cholera	Hepatitis A
Norwalk	Toxoplasma	Virus	Legionella
Giardia	Cryptosporidium	Entamoeba	and more....
Carbon Block Technology Reduces Volatile Organic Chemicals			
Herbicides	Pesticides	Insecticides	Haloketones
2, 4D	Atrazine	2, 4, 5-TP Silvex	Lindane
PCE	Trihalomethanes (TTHM)	Simazine	Halocetonitriles
Styrene	Thichlorethylene (TCE)	Benzene	Toluene

SYSTEM MAINTENANCE

Stage	Filter	Frequency
1	5-Micron Sediment	6 Months
2	Purifier Block	6 Months
3	RO Membrane	2-5 Years
4	VOC Block	6 Months

For more information, please call your AquaSafe Representative.

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WP4 BVC -V PURIFIER VOC PERFORMANCE DATA SHEET

Substance	Percent Reduction	Influent Challenge Concentration (mg/L unless noted)	Maximum Permissible Product Water Concentration	Substance	Percent Reduction	Influent Challenge Concentration (mg/L unless noted)	Maximum Permissible Product Water Concentration
ALACHLOR	>98%	0.05	0.001	HALOKETONES (HK):			
ATRAZINE	>97%	0.10	0.003	1,1-DICHLORO-2-PROPANONE	99%	0.0072	0.0001
BENZENE	>99%	0.081	0.001	1,1,1-TRICHLORO-2-PROPANONE	96%	0.0082	0.0003
BROMODICHLOROMETHANE (TTHM)	>99.8%	0.300 +/- 0.30	0.015	HEPTACHLOR	>99%	0.25	0.00001
BROMOFORM (TTHM)	>99.8%	0.300 +/- 0.30	0.015	HEPTACHLOR EPOXIDE	98%	0.0107	0.0002
CARBOFURAN (Furadan)	>99%	0.19	0.001	HEXACHLOROBUTADIENE (Perchlorobutadiene)	>98%	0.044	0.001
CARBON TETRACHLORIDE	98%	0.078	0.0018	HEXACHLOROCYCLOPENTADIENE	>99%	0.060	0.000002
CHLORO BENZENE (Monochlorobenzene)	>99%	0.077	0.001	LINDANE	>99%	0.055	0.00001
CHLOROPICRIN	99%	0.015	0.0002	METHOXYCHLOR	>99%	0.050	0.0001
CHLOROFORM (TTHM)	>99.8%	0.300 +/- 0.30	0.015	Methylbenzene (see TOLUENE)	>99%	0.078	0.001
2, 4-D	98%	0.110	0.0017	Monochlorobenzene (see CHLORO BENZENE)	>99%	0.077	0.001
DBCP (see Dibromochloropropane)	>99%	0.052	0.00002	PCE (see TETRACHLOROETHYLENE)	>99%	0.081	0.001
1,2-DCA (see 1,2-DICHLOROETHANE)	95%	0.088	0.0048	PENTACHLOROPHENOL	>99%	0.096	0.001
1,1-DCE (see 1,1-DICHLOROETHYLENE)	>99%	0.083	0.001	Perchlorobutadiene (see HEXACHLOROBUTADIENE)	>98%	0.044	0.001
DIBROMOCHLOROMETHANE (TTHM; Chlorodibromomethane)	>99.8%	0.300 +/- 0.30	0.015	Propylene Dichloride (see 1,2-DICHLOROPROPANE)	>99%	0.080	0.001
DIBROMOCHLOROPROPANE (DBCP)	>99%	0.052	0.00002	SIMAZINE	>97%	0.120	0.004
o-DICHLOROBENZENE (1,2 Dichlorobenzene)	>99%	0.08	0.001	Silvex (see 2,4,5-TP)	99%	0.270	0.0016
p-DICHLOROBENZENE (para-Dichlorobenzene)	>98%	0.04	0.001	STYRENE (Vinylbenzene)	>99%	0.15	0.0005
1,2-DICHLOROETHANE (1,2-DCA)	95%	0.088	0.0048	1,1,1-TCA (see 1,1,1-TRICHLOROETHANE)	95%	0.084	0.0046
1,1-DICHLOROETHYLENE (1,1-DCE)	>99%	0.083	0.001	TCE (see TRICHLOROETHYLENE)	>99%	0.180	0.0010
CIS-1,2-DICHLOROETHYLENE	>99%	0.17	0.0005	1,1,2,2- TETRACHLOROETHANE	>99%	0.081	0.001
TRANS-1,2- DICHLOROETHYLENE	>99%	0.086	0.001	TETRACHLOROETHYLENE	>99%	0.081	0.001
1,2-DICHLOROPROPANE (Propylene Dichloride)	>99%	0.08	0.001	TOLUENE (Methylbenzene)	>99%	0.078	0.001
CIS-1,3- DICHLOROPROPYLENE	>99%	0.079	0.001	2,4,5-TP (Silvex)	99%	0.270	0.0016
DINOSEB	99%	0.17	0.0002	TRIBROMOACETIC ACID		0.042	0.001
EDB (see ETHYLENE DIBROMIDE)	>99%	0.044	0.00002	1,2,4 TRICHLORO BENZENE (Unsymtrichlorobenzene)	>99%	0.160	0.0005
ENDRIN	99%	0.053	0.00059	1,1,1-TRICHLOROETHANE (1,1,1-TCA)	95%	0.084	0.0046
ETHYLBENZENE	>99%	0.088	0.001	1,1,2-TRICHLOROETHANE	>99%	0.150	0.0005
ETHYLENE DIBROMIDE (EDB)	>99%	0.044	0.00002	TRICHLOROETHYLENE (TCE)	>99%	0.180	0.0010
Furadan (see CARBOFURAN)	>99%	0.19	0.001	TRIHALOMETHANES (TTHM) (Chloroform; Bromoform; Bromodichloromethane; Dibromochloromethane)	>99.8%	0.300 +/- 0.30	0.015
HALOACETONITRILES (HAN)				Unsym-Trichlorobenzene (see 1,2,4-TRICHLORO BENZENE)	>99%	0.160	0.0005
BROMOCHLOROACETONITRILE	98%	0.022	0.0005	Vinylbenzene (see STYRENE)	>99%	0.150	0.0005
DIBROMOACETONITRILE	98%	0.024	0.0006	XYLENES (TOTAL)	>99%	0.070	0.001
DICHLOROACETONITRILE	98%	0.0096	0.0002				
TRICHLOROACETONITRILE	98%	0.015	0.0003				

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