

VOC Reducing Manifold RO

Through the incorporation of a specialty formulated VOC filter this RO is capable of reducing harmful Volatile Organic Chemicals (VOC) like Lindane, Atrazine, 2,4-D, Benzene, and others from your drinking water. These water contaminants can enter ground water from a variety of sources including localized use of herbicides and pesticides, gasoline or oil spills, leaking underground fuel tanks, septic system cleaners, and dry-cleaning chemicals.



Features

- **Four Stages of Filtration**
 1. **5-Micron Sediment Filter:**
Reduces Dirt, sand, and rust
 2. **5-Micron Carbon Block Filters:**
Reduces Chlorine taste and odor
 3. **High Production RO Membrane:**
Reduces water impurities down to 1/10,000 of a micron.
 4. **Carbon Block Filter:**
High Quality VOC filter to remove harmful VOC's and enhance taste
- Air-gap faucet to meet plumbing codes
- Easy to install
- Inexpensive to Maintain
- Backed by Watts 130 year reputation of excellence

Benefits

- **Reduces:** Arsenic, Barium, Cadmium, Copper, Cryptosporidium, Cyst, Chromium, Entamoeba, Fluoride, Giardia, Lead, Perchlorate, Radium 226/228, Selenium, TDS, Turbidity, VOC's
- **NSF tested and certified to Standard 58**
- **Four Stage reverse osmosis goes beyond basic water filtration that is provided by "pitcher" or "end-of-tap" filters.**
- **Exceeds water quality produced by "pitcher", "end-of-tap" and standard filtration.**
- **Greater reliability and higher capacity**

Recommended Filter Change

Filters:	Frequency:
1st stage:	5-micron sediment 6 months
2nd stage:	5-micron carbon 6 months
3rd stage:	RO membrane 2 – 5 years
4th stage:	Carbon Block annually



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



WATTS Premier



NSF Certified under NSF/ANSI Standard 58 for 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 .

	Avg. In.	Avg. Eff.	% Reduction
Arsenic (Pentavalent)	334.615 ug/L	5.0385 ug/L	98.4%
Barium	10.2 mg/L	0.13 mg/L	98.7%
Cadmium	0.031 mg/L	0.0001 mg/L	99.7%
Chromium (Hexavalent)	0.30 mg/L	0.006 mg/L	98.0%
Chromium (Trivalent)	0.30 mg/L	.003 mg/L	99.0%
Copper	3.0 mg/L	0.04 mg/L	98.7%
Cysts	222,077#/ml	10 #/ml	99.99%
<i>Cryptosporidium</i>	222,077#/ml	10 #/ml	99.99%
<i>Entamoeba</i>	222,077#/ml	10 #/ml	99.99%
Fluoride	8.0 mg/L	0.33 mg/L	95.9%
<i>Giardia</i>	222,077#/ml	10 #/ml	99.99%
Lead	0.15 mg/L	0.004 mg/L	97.3%
Perchlorate	0.10 mg/L	0.003 mg/L	97%
Radium 226/228	25pCi/L	5pCi/L	80.0%
Selenium	0.10	<0.001	99.0%
TDS	765mg/L	24mg/L	96.8%
Turbidity	81 NTU	0.15 NTU	99.8%
<i>Toxoplasma</i>	222,077#/ml	10 #/ml	99.99%
VOC	0.300 mg/L	0.015 mg/L	99.8%

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VOC Performance Data Sheet

Watts Premier Inc.

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Substance	Percent Reduction	Influent Challenge Concentration (mg/L unless noted)	Maximum Permissible Product Water Concentration
ALACHLOR	>98%	0.05	0.001
ATRAZINE	>97%	0.1	0.003
BENZENE	>99%	0.081	0.001
BROMODICHLOROMETHANE (TTHM)	>99.8%	0.300 +/- 0.30	0.015
BROMOFORM (TTHM)	>99.8%	0.300 +/- 0.30	0.015
CARBOFURAN (Furadan)	>99%	0.19	0.001
CARBON TETRACHLORIDE	98%	0.078	0.0018
CHLORO BENZENE (Monochlorobenzene)	>99%	0.077	0.001
CHLOROPICRIN	99%	0.015	0.0002
CHLOROFORM (TTHM)	>99.8%	0.300 +/- 0.30	0.015
2, 4-D	98%	0.110	0.0017
DBCP (see Dibromochloropropane)	>99%	0.052	0.00002
1,2-DCA (see 1,2-DICHLOROETHANE)	95%	0.088	0.0048
1,1-DCE (see 1,1-DICHLOROETHYLENE)	>99%	0.083	0.001
DIBROMOCHLOROMETHANE (TTHM; Chlorodibromomethane)	>99.8%	0.300 +/- 0.30	0.015
DIBROMOCHLOROPROPANE (DBCP)	>99%	0.052	0.00002
o-DICHLOROBENZENE (1,2 Dichlorobenzene)	>99%	0.08	0.001
p-DICHLOROBENZENE (para-Dichlorobenzene)	>98%	0.04	0.001
1,2-DICHLOROETHANE (1,2-DCA)	95%	0.088	0.0048
1,1-DICHLOROETHYLENE (1,1-DCE)	>99%	0.083	0.001
CIS-1,2-DICHLOROETHYLENE	>99%	0.17	0.0005
TRANS-1,2- DICHLOROETHYLENE	>99%	0.086	0.001
1,2-DICHLOROPROPANE (Propylene Dichloride)	>99%	0.08	0.001
CIS-1,3- DICHLOROPROPYLENE	>99%	0.079	0.001
DINOSEB	99%	0.17	0.0002
EDB (see ETHYLENE DIBROMIDE)	>99%	0.044	0.00002
ENDRIN	99%	0.053	0.00059
ETHYLBENZENE	>99%	0.088	0.001
ETHYLENE DIBROMIDE (EDB)	>99%	0.044	0.00002
Furadan (see CARBOFURAN)	>99%	0.19	0.001
HALOACETONITRILES (HAN)			
BROMOCHLOROACETONITRILE	98%	0.022	0.0005
DIBROMOACETONITRILE	98%	0.024	0.0006
DICHLOROACETONITRILE	98%	0.0096	0.0002
TRICHLOROACETONITRILE	98%	0.015	0.0003
HALOKETONES (HK):			
1,1-DICHLORO-2-PROPANONE	99%	0.0072	0.0001
1,1,1-TRICHLORO-2-PROPANONE	96%	0.0082	0.0003
HEPTACHLOR	>99%	0.25	0.00001
HEPTACHLOR EPOXIDE	98%	0.0107	0.0002
HEXACHLOROBUTADIENE (Perchlorobutadiene)	>98%	0.044	0.001
HEXACHLOROCYCLOPENTADIENE	>99%	0.060	0.000002
LINDANE	>99%	0.055	0.00001
METHOXYCHLOR	>99%	0.050	0.0001
Methylbenzene (see TOLUENE)	>99%	0.078	0.001
Monochlorobenzene (see CHLORO BENZENE)	>99%	0.077	0.001
PCE (see TETRACHLOROETHYLENE)	>99%	0.081	0.001
PENTACHLOROPHENOL	>99%	0.096	0.001
Perchlorobutadiene (see HEXACHLOROBUTADIENE)	>98%	0.044	0.001
Propylene Dichloride (see 1,2 -DICHLOROPROPANE)	>99%	0.080	0.001
SIMAZINE	>97%	0.120	0.004
Silvex (see 2,4,5-TP)	99%	0.270	0.0016
STYRENE (Vinylbenzene)	>99%	0.15	0.0005
1,1,1-TCA (see 1,1,1 - TRICHLOROETHANE)	95%	0.084	0.0046
TCE (see TRICHLOROETHYLENE)	>99%	0.180	0.0010
1,1,2,2- TETRACHLOROETHANE	>99%	0.081	0.001
TETRACHLOROETHYLENE	>99%	0.081	0.001
TOLUENE (Methylbenzene)	>99%	0.078	0.001
2,4,5-TP (Silvex)	99%	0.270	0.0016
TRIBROMOACETIC ACID		0.042	0.001
1,2,4 TRICHLORO BENZENE (Unsymtrichlorobenzene)	>99%	0.160	0.0005
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	95%	0.084	0.0046
1,1,2-TRICHLOROETHANE	>99%	0.150	0.0005
TRICHLOROETHYLENE (TCE)	>99%	0.180	0.0010
TRIHALOMETHANES (TTHM) (Chloroform; Bromoform; Bromodichloromethane; Dibromochloromethane)	>99.8%	0.300 +/- 0.30	0.015
Unsym-Trichlorobenzene (see 1,2,4-TRICHLORO BENZENE)	>99%	0.160	0.0005
Vinylbenzene (see STYRENE)	>99%	0.150	0.0005
XYLENES (TOTAL)	>99%	0.070	0.001