A.O. Smith Pro Residential Water Filtration

Reverse Osmosis

AOW-4000

Reverse Osmosis with Microbial filtration - reduce up to 99% of 90 harmful contaminants including fluoride, bacteria, viruses, lead, chromium, mercury, pesticides, pharmaceuticals, chlorine, and more.

- Reduce up to 99% of 90 contaminants including bacteria and viruses
- Access to clean, filtered water from your dedicated faucet
- Remineralizer with Microbial Filtration returns the healthy minerals lost while removing bacteria and viruses
- Designed for easy filter replacements
- Brushed Nickel, All Metal Faucet
- Conforms to NSF/ANSI standards 42, 53, 58, 401, P473, & P231

Reduces Up To
99% of 90
Contaminants
INCLUDING
lead, mercury, asbestos, pesticides, pharmaceuticals, chlorine and chloramines.
PLUS
Claryum®
Filtration Technology

PART # 100319583
UPC: 811640030520

BEST PERFORMANCE

1-4+ **Perfect for 1-4+ people**

2 YEAR **2 Year Limited Warranty**

6 Months **Each filter lasts 6 months to two years**

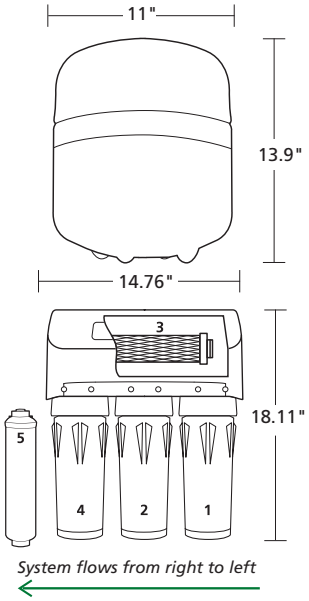
Specifications

AOW-4000	
Flow Rate	.8 GPM
Capacity	83.93 GDP
Min Pressure	40 psi
Max Pressure	100 psi
Min Temperature	40° F (4° C)
Max Temperature	100° F (37° C)
Cold Water Line*	Yes
Certification #'s	42, 53, 58, 401, P473 and P231
Certifier	NSF
Warranty	2 years

**Used on cold water line only. Will not filter hot water.*

Installation Location

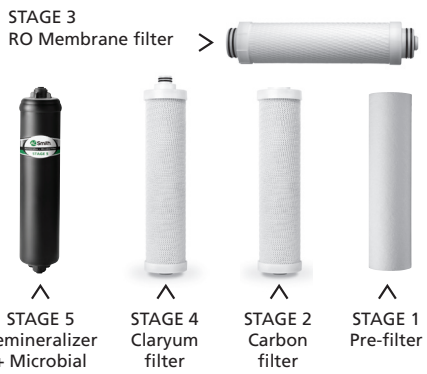
Fits under sink



System flows from right to left

Replacements

- **Prefilter, Carbon, Claryum® and Remineralizer with Microbial Filter** Replace every 6 months
- **Membrane Filter** Replace every 12-24 months



PART # 10031xxxx
UPC: 81164003xxxx

A.O. Smith Pro Residential Water Filtration

Reverse Osmosis

AOW-4000

Performance Data for the Drinking Water System AO-US-RO-4000						
Models	**Replacement**	**Operatingpressure range**	**Operating temp. range**	**Recovery rating**	**Efficiency rating**	**Daily Production (DPR)**
AO-US-RO-4000	AOW-4000-CARBON and AOW-4000-MEM	40-100 psi 275-689 kPa	0-100° F 5-37° C	47.66%	37.64%	83.93 gallons 317 liters

Manufactured by: A.O. Smith Corporation 11270 West Park Place | Milwaukee, WI 53224 | 877.333.7108

Testing Performed under NSF/ANSI Standards 42, 53, 58, 401 & P473 and in accordance with the California Department of Health Services Drinking Water Treatment Device Program. This System has been tested according to NSF/ANSI 42, 53, 401 & P473 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, as specified in NSF/ANSI 42, 53, 58, 401 & P473.

NSF/ANSI 42	Minimum Reduction	Overall% Reduction	Results
Chlorine Reduction, Free Available	<0.5 mg/l	60.20%	Pass
Particulate Reduction	85%	99.8%	Pass

NSF/ANSI 53	Minimum Reduction	Overall% Reduction	Results
Cyst Live Cryptosporidium & Giardia	99.95%	>99.95%	Pass
Mercury Reduction pH 8.5	<2 ug/L	>96.7%	Pass
Mercury Reduction pH 6.5	<2 ug/L	>96.6%	Pass
Lead Reduction pH 6.5	<10 ug/L	>99.4%	Pass
Lead Reduction pH 8.5	<10 ug/L	>99.3%	Pass
MTBE Reduction	<5 ug/L	86.6%	Pass
Turbidity	<0.5 NTU	99.1%	Pass
VOC Surrogate Test	95%	99.4%	Pass
Asbestos	99%	>99%	Pass

NSF/ANSI 58	Maximum Concentration	Minimum Reduction	Overall% Reduction	Results
Arsenic Pentavalent	0.30mg/L ± 10%	80.0%	98.0%	Pass
Barium	10.0mg/L ± 10%	80.0%	97.2%	Pass
Cadmium	0.30mg/L ± 10%	83.3%	98.2%	Pass
Chromium Hexavalent	0.30mg/L ± 10%	66.7%	98.2%	Pass
Chromium Trivalent	0.30mg/L ± 10%	66.7%	97.6%	Pass
Copper	0.30mg/L ± 10%	56.7%	98.8%	Pass
Fluoride	8.0mg/L ± 10%	81.2%	96.5%	Pass
Lead	.15mg/L ± 10%	93.3%	96.6%	Pass
Nitrate/Nitrite	30.0mg/L ± 10%	66.7%	95.9%	Pass
Selenium	0.10mg/L ± 10%	50.0%	98.0%	Pass
TDS	750mg/L ± 10%	75.0%	96.7%	Pass
Turbidity	11 ± NTU	95.4%	99.1%	Pass

NSF/ANSI 401	Maximum Concentration	Minimum Reduction	Overall% Reduction	Results
Atenolol	30 ng/L	94.2%	94.2%	Pass
Bisphenol A	300 ng/L	98.80%	98.9%	Pass
Carbamazepine	200 ng/L	98.6%	98.6%	Pass
DEET	200 ng/L	98.7%	98.7%	Pass
Estrone	20 ng/L	96.30%	96.5%	Pass
Ibuprofen	60 ng/L	95.3%	95.4%	Pass
Linuron	20 ng/L	96.6%	96.6%	Pass
Meprobamate	60 ng/L	94.7%	94.7%	Pass
Metolachlor	200 ng/L	98.6%	98.6%	Pass
Naproxen	20 ng/L	96.3%	96.4%	Pass
Nonyl phenol	200 ng/L	97.50%	97.5%	Pass
Phenytoin	30 ng/L	95.50%	95.6%	Pass
TCEP	700 ng/L	98%	98%	Pass
TCPP	700 ng/L	97.8%	97.8%	Pass
Trimethoprim	20 ng/L	96.7%	96.7%	Pass

NSF P473	Influent challenge concentration	Maximum permissible concentration	Overall% reduction	Results
Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS)	1.5 ±10% ug/L	0.07 ug/L	95.8%	Pass

All contaminants reduced by this filter are listed. Not all contaminants listed may be present in your water. Does not remove all contaminants that may be present in tap water.

Filter is only to be used with cold water.

Filter usage must comply with all state and local laws.

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

Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

See owner's manual for general installation conditions and needs plus manufacturer's limited warranty.

For use with municipally treated water only. Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before or after the system.

Organic chemicals included by surrogate testing				
VOCs (by surrogate testing using chloroform)	**Drinking water regulatory level (MCL/ MAC) mg/L**	**Influent/ Unfiltered**	**Effluent/ Filtered**	**Percent Reduction**
alachlor	0.002	0.050	0.001	>98%
atrazine	0.003	0.100	0.003	>97%
benzene	0.005	0.081	0.001	>99%
carbofuran	0.04	0.190	0.001	>99%
carbon tetrachloride	0.005	0.078	0.0018	98%
chlorobenzene	0.1	0.077	0.001	>99%
chloropicrin	—	0.015	0.0002	99%
2,4-D	0.07	0.110	0.0017	98%
dibromochloropropane (DBCP)	0.0002	0.052	0.00002	>99%
o-dichlorobenzene	0.6	0.080	0.001	>99%
p-dichlorobenzene	0.075	0.040	0.001	>98%
1,2-dichloroethane	0.005	0.088	0.0048	95%
1,1-dichloroethylene	0.007	0.083	0.001	>99%
cis-1,2-dichloroethylene	0.07	0.170	0.0005	>99%
trans-1,2-dichloroethylene	0.1	0.086	0.001	>99%
1,2-dichloropropane	0.005	0.080	0.001	>99%
cis-1,3-dichloropropylene	—	0.079	0.001	>99%
dinoseb	0.007	0.170	0.0002	99%
endrin	0.002	0.053	0.00059	99%
ethylbenzene	0.7	0.088	0.001	>99%
ethylene dibromide (EDB)	0.00005	0.044	0.00002	>99%
haloacetonitriles (HAN)				
bromochloroacetontrile	—	0.022	0.0005	98%
dibromoacetontrile	—	0.024	0.0006	98%
dichloroacetontrile	—	0.0096	0.0002	98%
trichloroacetontrile	—	0.015	0.0003	98%
haloketones (HK)				
1,1-dichloro-2-propanone	—	0.0072	0.0001	99%
1,1,1-trichloro-2-propanone	—	0.0082	0.0003	96%
heptachlor (H-34, Heptox)	0.0004	0.025	0.00001	>99%
heptachlor epoxide	0.0002	0.0107	0.0002	98%
hexachlorobutadiene	—	0.044	0.001	>98%
hexachlorocyclopentadiene	0.05	0.060	0.000002	>99%
lindane	0.0002	0.055	0.00001	>99%
methoxychlor	0.04	0.050	0.0001	>99%
pentachlorophenol	0.001	0.096	0.001	>99%
simazine	0.004	0.120	0.004	>97%
styrene	0.1	0.150	0.0005	>99%
1,1,2,2-tetrachloroethane	—	0.081	0.001	>99%
tetrachloroethylene	0.005	0.081	0.001	>99%
toluene	1	0.078	0.001	>99%
2,4,5-TP (silvex)	0.05	0.270	0.0016	99%
tribromoacetic acid	—	0.042	0.001	>98%
1,2,4-trichlorobenzene	0.07	0.160	0.0005	>99%
1,1,1-trichloroethane	0.2	0.084	0.0046	95%
1,1,2-trichloroethane	0.005	0.150	0.0005	>99%
trichloroethylene	0.005	0.180	0.0010	>99%
trihalomethanes (THMs)		Influent/ Unfiltered	Effluent/ Filtered	Percent Reduction
bromodichloromethane (THM) bromoform (THM) chloroform (THM) chlorodibromomethane (THM)	0.080	0.300	0.015	95%
xylenes (total)	10	0.070	0.001	>99%

COMPONENT

System Tested and Certified by NSF International against NSF/ANSI Standards 42, 53, 58 & 401 and conforms to NSF protocol P473 for reduction of claims specified on the Performance Data Sheet and at www.nsf.org.

Remineralizer with Microbial Filter is Tested and Certified by IAPMO R&T Lab and IAPMO R&T against NSF Protocol P231 as verified and substantiated by test data.

El remineralizador con refuerzo microbiano está probado y certificado por IAPMO R&T Lab y IAPMO R&T según el protocolo P231 de NSF según se verifica y corrobora mediante los datos de prueba.