PERFORMANCE DATA SHEET

A. O. Smith water filtration systems are obsessively engineered to provide you with clean water. A Performance Data Sheet is your proof that the system performs; the data sheet discloses test results of each filtration system against NSF water filtration testing criteria and standards.

NSF-International is an independent certification organization that develops test protocols and standards for drinking water filtration systems. NSF requires that each contaminant is reduced by a certain percentage specific to the water filtration system.

Take a look. Review the data. If you need help or have a question, we've got you covered.

Give us a call at
877.333.7108

For additional information, visit www.nsf.org.

Performance Data Sheet for the A. O. Smith Main Faucet Water Filter					
Models	**Replacement**	**Operating pressure range**	**Rated capacity**	**Operating temp. range**	**Rated flow**
AO-MF-ADV	AO-MF-ADV-R	10-125 psi 68.95-861.8 kPa	784 gallons 2,967 liters	35-100 F 1.66-37.78 C	1.5 gpm 5.67 lpm v
Manufactured by: A. O. Smith Corporation P.O. Box 1597 | Johnson Creek, TN 37605-1597 | 877.333.7108					

Testing Performed under NSF/ANSI Standards 42 and 53 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, 401 & P473.

NSF/ANSI 42	Min Reduction	Overall % Reduction	Results
Chlorine Reduction, Free Available	<0.5 mg/l	96.06%	Pass
Chloramine Reduction, Free Available	<0.5 mg/l	96.06%	Pass
Particulate Reduction	85%	99.9%	Pass

NSF/ANSI 53	Min 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 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

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UPC

System Tested and Certified by IAPMO R&T lab and IAPMO R&T against NSF/ANSI Standards 42, 53, 58, 401 and conforms to NSF Protocol P473 as verified and substantiated by test data. Please refer to Performance Data Sheet for specific contaminant reductions.

- 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.

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%

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.

Hoja de datos de rendimiento del filtro de agua para llave principal de A. O. Smith					
Modelos	**Repuesto**	**Rango de presión de funcionamiento**	**Capacidad nominal**	**Rango de temp. de funcionamiento**	**Flujo nominal**
AO-MF-ADV	AO-MF-ADV-R	68.95 a 861.8 kPa 10 a 125 psi	2,967 litros 784 galones	1.66 a 37.78 °C 35 a 100 °F	5.67 lpm v 1.5 gpm
Manufactured by: A. O. Smith Corporation P.O. Box 1597 | Johnson Creek, TN 37605-1597					

Pruebas realizadas conforme a las normas NSF/ANSI 42 y 53 y según el Programa de Dispositivos de Tratamiento de Agua Potable del Departamento de Servicios de Salud de California. Este sistema se probó conforme a las normas NSF/ANSI 42, 53, 401 y P473 para la reducción de las sustancias que se indican más adelante. Se redujo la concentración de las sustancias indicadas en el agua que entra al sistema a una concentración menor o igual al límite permitido para el agua que sale del sistema, según se especifica en las normas NSF/ANSI 42, 53, 401 y P473.

NSF/ANSI 42	Reducción mín.	Porcentaje total de reducción	Resultados
Chlorine Reduction, Free Available	<0.5 mg/l	96.06 %	Aprobado
Chloramine Reduction, Free Available	<0.5 mg/l	96.06 %	Aprobado
Particulate Reduction	85 %	99.9 %	Aprobado

NSF/ANSI 42	Reducción mín.	Porcentaje total de reducción	Resultados
Cyst Live Cryptosporidium & Giardia	99.95 %	>99.95 %	Aprobado
Mercury Reduction pH 8.5	<2 ug/L	>96.7 %	Aprobado
Mercury Reduction pH 6.5	<2 ug/L	>96.6 %	Aprobado
Lead Reduction pH 6.5	<10 ug/L	>99.4 %	Aprobado
Lead Reduction pH 8.5	<10 ug/L	>99.3 %	Aprobado
MTBE Reduction	<5 ug/L	86.6 %	Aprobado
Turbidity	<0.5 UNT	99.1 %	Aprobado
VOC Surrogate Test	95 %	99.4 %	Aprobado
Asbestos	99 %	>99 %	Aprobado

NSF/ANSI 401	Concentración máxima	Reducción mínima	Porcentaje total de reducción	Resultados
Atenolol	30 ng/L	94.2 %	94.2 %	Aprobado
Bisphenol A	300 ng/L	98.80 %	98.9 %	Aprobado
Carbamazepine	200 ng/L	98.6 %	98.6 %	Aprobado
DEET	200 ng/L	98.7 %	98.7 %	Aprobado
Estrone	20 ng/L	96.30 %	96.5 %	Aprobado
Ibuprofen	60 ng/L	95.3 %	95.4 %	Aprobado
Linuron	20 ng/L	96.6 %	96.6 %	Aprobado
Meprobamate	60 ng/L	94.7 %	94.7 %	Aprobado
Metolachlor	200 ng/L	98.6 %	98.6 %	Aprobado
Naproxen	20 ng/L	96.3 %	96.4 %	Aprobado
Nonyl phenol	200 ng/L	97.50 %	97.5 %	Aprobado
Phenytoin	30 ng/L	95.50 %	95.6 %	Aprobado
TCEP	700 ng/L	98 %	98 %	Aprobado
TCPP	700 ng/L	97.8 %	97.8 %	Aprobado
Trimethoprim	20 ng/L	96.7 %	96.7 %	Aprobado

NSF P473	Concentración de riesgo de ingreso	Concentración máxima permitida	Porcentaje total de reducción	Resultados
Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS)	1.5 ±10 % ug/L	0.07 ug/L	95.8 %	Aprobado

Productos químicos orgánicos incluidos por la prueba de sustitutos				
COV (según la prueba de sustitutos con el uso de cloroformo)	**Nivel normativo de agua potable (NMC/CMA) mg/L**	**Entrante/ Sin filtrar**	**Saliente/ Filtrada**	**Porcentaje de reducción**
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)		**Entrante/ Sin filtrar**	**Saliente/ Filtrada**	**Porcentaje de reducción**
bromodichloromethane (THM) bromoform (THM) chloroform (THM) chlorodibromomethane (THM)	0.080	0.300	0.015	95 %
xylenes (total)	10	0.070	0.001	>99 %

Sistema probado y certificado por IAPMO R&T Iab y IAPMO R&T contra las normas NSF/ANSI 42, 53, 58, 401 y conforme al protocolo P473 de NSF, según se verifica y corrobora mediante los datos de prueba. Consulte la hoja de datos de rendimiento para conocer las reducciones de contaminantes específicas.

- Se indican todos los contaminantes que reduce este filtro.
- Es posible que no todos los contaminantes indicados estén presentes en su agua.
- No elimina todos los contaminantes que pueden estar presentes en el agua de la llave.

El filtro solo se debe usar con agua fría.

El uso del filtro debe cumplir con todas las leyes estatales y locales.

Las pruebas se realizaron en condiciones de laboratorio estándar, el rendimiento real puede variar.

Es posible usar sistemas certificados para la reducción de quistes en aguas desinfectadas que puedan tener quistes filtrables.

Consulte el manual del propietario para conocer las condiciones y necesidades generales de instalación más la garantía limitada del fabricante.

Solo para uso con agua tratada localmente. No usar con agua que no sea microbiológicamente segura o cuya calidad sea desconocida sin la desinfección previa o posterior adecuada del sistema.