Performance Data Sheet

Pelican PDF-450 Series Premium Countertop Filter

3060 Performance Circle, Suite 2 | Deland, Florida | 32724

NSF/ANSI 42	Influent Challenge Concentration	Reduction Requirements	Overall Percentage Reduction
Chlorine Reduction	2.0 +/- 10% mg / L	50%	98%
Chloramine Reduction	3.0 +/- 10% mg / L	< 0.5 mg / L	95%
Patrciulate Class 1 Reduction	at least 10,000 particles / mL	85%	> 99.9%

NSF/ANSI 53	Influent Challenge Concentration	Reduction Requirements	Overall Percentage Reduction
Cyst, Live Cryptosporidium & Giardia	min 50,000 L	99.95%	> 99.99%
Mercury Reduction pH 6.5	0.006 +/- 10% mg / L	< 2 ug / L	96.50%
Mercury Reduction pH 8.5	0.006 +/- 10% mg / L	< 2 ug / L	96.80%
Lead Reduction pH 6.5	0.015 +/- 10% mg / L	< 10 ug / L	> 99.4%
Lead Reduction pH 8.5	0.015 +/- 10% mg / L	< 10 ug / L	> 99.3%
VOC (Chloroform as Surrogate)	300 +/- 30% ug / L	95%	99.80%

Substance	Individual Influent Sample Point Limits ug / L	Maximum Effluent Concentration ug / L	Average Percent Reduction
PFOA / PFOS	1.5 +/- 10% ug / L	0.07	98%

Organic Chemicals Included by Surrogate Testing			
Chemical	**Drinking Water Regulatory Level 1 (MCL / MAC) mg / L**	**Influent Challenge Concentration mg / L**	**Chemical Reduction Percent**
Alachor	0.002	0.050	> 98%
Atrazine	0.003	0.100	> 97%
Benzene	0.005	0.081	> 99%
Carbofuran	0.04	0.190	> 99%
Carbon Tetrachloride	0.005	0.078	98%
Chlorobenzene	0.1	0.077	> 99
Chloropicrin	~	0.015	99
2, 4-D	0.07	0.110	98%
Dibromochloropropane (DBCP)	0.00002	0.052	> 99%
O-Dichlorobenzene	0.6	0.080	> 99%
P-Dichlorobenzene	0.075	0.040	> 98%
1.2-Dichloroethane	0.005	0.088	95%
1.2-Dichloroethylene	0.007	0.083	0.99%
Cis-1,2-Dichloroethylene	0.07	0.170	> 99%
Trans-1,2-Dichloroethylene	0.1	0.086	> 99%
1.2-Dichloropropane	0.005	0.080	> 99%
Cis-1,2-Dichloropropylene	~	0.079	> 99%
Dinoseb	0.007	0.170	99%
Endrin	0.002	0.053	99%
Ethylbenzene	0.7	0.088	> 99%
Ethylene Dibromide (EDB)	0.00005	0.044	> 99%
Haloacetonitriles (HAN): Bromochloroacetonitrile Dibromoacetonitrile Dichloroacetonitrile Trichloroacetonitrile	~	 0.022 0.024 0.0096 0.015	 98% 98% 98% 98%
Haloketones (HK): 1,1-Dichloro-2-propanone 1,1,1-Trichloro-2-propanone	~	 0.0072 0.0082	 99% 96%
Heptachlor (H-34, Heptox)	0.0004	0.025	> 99%
Heptachlor Epoxide	0.0002	0.0107	98%
Hexachlorobutadiene	~	0.044	> 98%
Hexachlorocyclopentadiene	0.05	0.060	> 99%
Lindane	0.0002	0.055	> 99%
Methoxychlor	0.04	0.050	> 99%
Pantachlorophenol	0.001	0.096	> 99%
Simazine	0.004	0.120	> 97%
Styrene	0.1	0.150	> 99%
1,1,2,2-Tetrachloroethane	~	0.081	> 99%
Tetrachloroethylene	0.005	0.081	> 99%
Toluene	1	0.078	> 99%
2,4,5-TP (silvex)	0.05	0.270	99%
Tribromoacetic Acid	~	0.042	> 98%
1,2,4-Trichlorobenzene	0.07	0.16	> 99%
1,1,1-Trichloroethane	0.2	0.084	95%
1,1,2-Trichloroethane	0.005	0.15	> 99%
Trichloroethylene	0.005	0.18	> 99%
Trihalomethanes (includes): Chloroform (surrogate chemical) Bromodichloromethane Chlorodibromomethane	0.080	0.3	95%
Xylenes (total)	10	0.07	> 99%

This system has been tested and certified by NSF International against NSF/ANSI Standard 42 for the aesthetic reduction of chlorine taste and odor, chloramine and Particulate class I, NSF/ANSI Standard 53 for the reduction of Cysts, Mercury, Lead and VOC's and IAPMO R&T certified to NSF/ANSI Standard P473 for PFOAs & PFOS.

RSF: 0.5 GPM
Capacity: 6 Months or 450 Gallons
Maximum Pressure: 80 PSI
Minimum Pressure: 20 PSI

Minimum Temperature: 100˚F
Minimum Temperature: 40˚F
Replacement Model #: PDF-RF

Statements:
Testing was performed under standard laboratory conditions, actual performance may vary. Filter usage must comply with all state and local laws. Filter is only to be used with cold water. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts. All contaminants reduced by this filter are listed. Not all contaminants listed may be present in your water. Filter does not remove all contaminants that may be present in tap water. See owner's manual for general installation conditions and needs as well as manufacturer's limited warranty.

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