Performance Data Sheet

DuPont™ Sink-Side Faucet Filter System WFFS150 Series

with DuPont™ Ultra Protection Faucet Mount Cartridge WFFMC300
or with DuPont™ High Protection Faucet Mount Cartridge WFFMC100

This filtration system has been tested and certified according to NSF/ANSI Standards 42 and 53 by WQA for the reduction of the substances listed below, as verified and substantiated by test data. The concentration of the indicated substances in the 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 Standards 42 and 53. Systems certified for cysts reduction may be used on disinfected waters that may contain filterable cysts. Please see warranty insert for manufacturer's limited warranty. Please see installation instructions for internal operation and maintenance requirements. System Tested and Certified by WQA against NSF/ANSI Standard 372 for low lead content and compliance.

NSF/ANSI Standard 42 Aesthetic Effects

Substance	Influent Challenge Concentration	Required Minimum % Reduction	Actual Minimum Percent Reduction	Actual Average Percent Reduction
Taste and Odor, Aesthetic Chlorine	2 mg/L	50%	99%	99%
Particulate Class I (0.5 µm to < 1.0 µm)	>10,000 particles per mL	85%	99%	99%

NSF/ANSI Standard 53 Health Effects

Substance	Influent Challenge Concentration	US EPA Maximum Permissible Water Concentration/Required Minimum % Reduction		Actual Minimum Percent Reduction	Actual Average Percent Reduction
Asbestos	10^7-10^8 fibers/L		99%	> 99%	> 99%
Lead (pH 6.5)	0.15 mg/L	0.010 mg/L	93%	98%	99%
Lead (pH 8.5)	0.15 mg/L	0.010 mg/L	93%	99%	99%
Mercury (pH 6.5)	0.006 mg/L	0.002 mg/L	67%	86%	96%
Mercury (pH 8.5)	0.006 mg/L	0.002 mg/L	67%	79%	91%
Turbidity	11 NTU	0.5 NTU	95%	96%	97%
VOC†					
Reduction Requirements:					
Cysts	Minimum 50,000 oocysts/L		99.95%	99.98%	99.98%

Systems certified for cysts reduction may be used on disinfected waters that may contain filterable cysts.
†VOC – Volatile Organic Compounds

Operating Requirements: Filter System capacity 200 gallons / 760 liters or approximately 3 months.
Operating Temperature: Min 35°F / 2°C - Max 100°F / 38°C Operating Pressure 10-100 psi/69-690 kPa
Flow rate: 0.45 gpm / 1.7 lpm

Laboratory Test Conditions: pH: 6.5 – 8.5, Water Temperature: 72°F / 23°C - 75°F / 24°C While testing was performed under standard laboratory conditions, actual performance may vary. Do not use with water that is microbiologically unsafe or of unknown water quality without adequate disinfection before or after the system.

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VOC Surrogate Claims

Chemical	Influent challenge concentration[2] mg/L	Drinking water regulatory level[1] (MCL,MAC) mg/L	Maximum product water concentration mg/L	Chemical reduction percent
alachlor	0.050	0.002	0.001[3]	>98
atrazine	0.100	0.003	0.003[3]	>97
benzene	0.081	0.005	0.001[3]	>99
carbofuran	0.190	0.04	0.001[3]	>99
carbon tetrachloride	0.078	0.005	0.0018[4]	98
chlorobenzene	0.077	0.1	0.001[3]	>99
chloropicrin	0.015	–	0.0002[3]	99
2,4-D	0.110	0.07	0.0017[4]	98
dibromochloropropane (DBCP)	0.052	0.0002	0.00002[3]	>99
o-dichlorobenzene	0.080	0.6	0.001[3]	>99
p-dichlorobenzene	0.040	0.075	0.001[3]	>98
1,2-dichloroethane	0.088	0.005	0.0048[5]	95[5]
1,1-dichloroethylene	0.083	0.007	0.001[3]	>99
cis-1,2-dichloroethylene	0.170	0.07	0.0005[3]	>99
trans-1,2-dichloroethylene	0.086	0.1	0.001[3]	>99
1,2-dichloropropane	0.080	0.005	0.001[3]	>99
cis-1,3-dichloropropylene	0.079	–	0.001[3]	>99
dinoseb	0.170	0.007	0.0002[4]	99
endrin	0.053	0.002	0.00059[4]	99
ethylbenzene	0.088	0.7	0.001[3]	>99
ethylene dibromide (EDB)	0.044	0.00005	0.00002[3]	>99
haloacetonitriles (HAN)				
bromochloroacetonitrile	0.022	–	0.0005[3]	98
dibromoacetonitrile	0.024	–	0.0006[3]	98
dichloroacetonitrile	0.0096	–	0.0002[3]	98
trichloroacetonitrile	0.015	–	0.0003[3]	98
haloketones (HK)				
1,1-dichloro-2-propanone	0.0072	–	0.0001[3]	99
1,1,1-trichloro-2-propanone	0.0082	–	0.0003[3]	96

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VOC Surrogate Claims (continued)

heptachlor (H-34, Heptox)	0.025	0.0004	0.0004	>99
heptachlor epoxide	0.0107[6]	0.0002	0.0002[6]	98
hexachlorobutadiene	0.044	–	0.001[3]	>98
hexachlorocyclopentadiene	0.060	0.05	0.000002[3]	>99
lindane	0.055	0.0002	0.00001[3]	>99
methoxychlor	0.050	0.04	0.0001[3]	>99
pentachlorophenol	0.096	0.001	0.001[3]	>99
simazine	0.120	0.004	0.004[3]	>97
styrene	0.150	0.1	0.0005[3]	>99
1,1,2,2-tetrachloroethane	0.081	–	0.001[3]	>99
tetrachloroethylene	0.081	0.005	0.001[3]	>99
toluene	0.078	1	0.001[3]	>99
2,4,5-TP (silvex)	0.270	0.05	0.0016[4]	99
tribromoacetic acid	0.042	–	0.001[3]	>98
1,2,4-trichlorobenzene	0.160	0.07	0.0005[3]	>99
1,1,1-trichloroethane	0.084	0.2	0.0046[4]	95
1,1,2-trichloroethane	0.150	0.005	0.0005[3]	>99
trichloroethylene	0.180	0.005	0.0010[3]	>99
trihalomethanes (includes): chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane	0.300	0.080	0.015	95
xylenes (total)	0.070	10	0.001[3]	>99

[1] These harmonized values were agreed upon by representatives of U.S. EPA and Health Canada for the purpose of evaluating products to the requirements of this Standard.
[2] Influent challenge levels are average influent concentrations determined in surrogate qualification testing.
[3] Maximum product water level was not observed but was set at the detection limit of the analysis.
[4] Maximum product water level is set at a value determined in surrogate qualification testing.
[5] Chemical reduction percent and maximum product water level calculated at chloroform 95% breakthrough point as determined in surrogate qualification testing.
[6] The surrogate test results for heptachlor epoxide demonstrated a 98% reduction. These data were used to calculate an upper-occurrence concentration which would produce a maximum product water level at the MCL.