

Substance		Average Percent Reduction	Influent Challenge Concentration (mg/L unless specified)	Maximum Permissible Product Water Concentration or Minimum Allowable % Reduction (mg/L unless specified)
NSF/ANSI 42 Aesthetic Effects	Chlorine, Taste, & Odor	98.0%	2.00 ± 10%	≥ 50% Reduction
	Particulate Class 1 particles 0.5 to < 1µm	91.3%	at least 10,000 particles/mL	≥ 85% Reduction
NSF/ANSI 53 Health Effects	VOC's	99.8%	3.00 ± 10%	≥ 95% Reduction

While testing was performed under laboratory conditions, actual performance may vary.

Rated Capacity	5,000 gal. for Aesthetic Chlorine / 150 gal. for VOC's
Min-Max operating pressure:	10 psi – 58 psi (0.07 MPa – 0.4 MPa)
Min-Max feed water temperature:	41 °F – 95 °F (5 °C – 35 °C)
Rated Service Flow	0.50 gpm

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Refer to the owners manual for specific installation instructions, manufacturer's limited warranty, user responsibility, and parts and service availability.
- For parts and service availability, please contact Brondell.
- The estimated replacement time of filter, which is a consumable part, is not an indication of quality guarantee period, but it means the ideal time of filter replacement. Accordingly, the estimated time of filter replacement may be shortened in case it is used in an area of poor water quality.

Model of Replacement Filter	Type	Usable period (months)
HF-25	CARBON BLOCK FILTER	6

Volatile Organic Chemicals (VOCs) included by surrogate testing*

Chemical	Drinking water regulatory level ¹ (MCL/MAC) mg/L	Influent challenge concentration ² mg/L	Chemical reduction percent	Maximum product water concentration mg/L
alachlor	0.002	0.05	> 98	0.001 ³
atrazine	0.003	0.1	> 97	0.003 ³
benzene	0.005	0.081	> 99	0.001 ³
carbofuran	0.04	0.19	> 99	0.001 ³
carbon tetrachloride	0.005	0.078	98	0.0018 ⁴
chlorobenzene	0.1	0.077	> 99	0.001 ³
chloropicrin	-	0.015	99	0.0002 ³
2,4-D	0.07	0.11	98	0.0017 ⁴
dibromochloropropane(DBCP)	0.0002	0.052	> 99	0.00002 ³
o-dichlorobenzene	0.6	0.08	> 99	0.001 ³
p-dichlorobenzene	0.075	0.04	> 98	0.001 ³
1,2-dichloroethane	0.005	0.088	95 ⁵	0.0048 ⁵
1,1-dichloroethylene	0.007	0.083	> 99	0.001 ³
cis-1,2-dichloroethylene	0.07	0.17	> 99	0.0005 ³
trans-1,2-dichloroethylene	0.1	0.086	> 99	0.001 ³
1,2-dichloropropane	0.005	0.08	> 99	0.001 ³
cis-1,3-dichloropropylene	-	0.079	> 99	0.001 ³
dinoseb	0.007	0.17	99	0.0002 ⁴
endrin	0.002	0.053	99	0.00059 ⁴
ethylbenzene	0.7	0.088	> 99	0.001 ³
ethylene dibromide (EDB)	0.00005	0.044	> 99	0.00002 ³
haloacetonitriles (HAN)				
bromochloroacetonitrile	-	0.022	98	0.0005 ³
dibromoacetonitrile	-	0.024	98	0.0006 ³
dichloroacetonitrile	-	0.0096	98	0.0002 ³
trichloroacetonitrile	-	0.015	98	0.0003 ³
haloketones (HK):				
1,1-dichloro-2-propanone	-	0.0072	99	0.0001 ³
1,1,1-trichloro-2-propanone	-	0.0082	96	0.0003 ³
heptachlor (H-34, Heptox)	0.0004	0.08	> 99	0.0004
heptachlor epoxide	0.0002	0.0107 ⁶	98	0.0002 ⁶
hexachlorobutadiene	-	0.044	> 98	0.001 ³
hexachlorocyclopentadiene	0.05	0.06	> 99	0.000002 ³
lindane	0.0002	0.055	> 99	0.00001 ³
methoxychlor	0.04	0.05	> 99	0.0001 ³
pentachlorophenol	0.001	0.096	> 99	0.001 ³
simazine	0.004	0.12	> 97	0.004 ³
styrene	0.1	0.15	> 99	0.0005 ³
1,1,2,2-tetrachloroethane	-	0.081	> 99	0.001 ³
tetrachloroethylene	0.005	0.081	> 99	0.001 ³
toluene	1	0.078	> 99	0.001 ³
2,4,5-TP (silvex)	0.05	0.27	99	0.0016 ⁴
tribromoacetic acid	-	0.042	> 98	0.001 ³
1,2,4-trichlorobenzene	0.07	0.16	> 99	0.0005 ³
1,1,1-trichloroethane	0.2	0.084	95	0.0046 ⁴
1,1,2-trichloroethane	0.005	0.15	> 99	0.0005 ³
trichloroethylene	0.005	0.18	> 99	0.0010 ³
trihalomethanes (includes):				
chloroform (surrogate chemical)	0.080	0.300	95	0.015
bromoform				
bromodichloromethane				
chlorodibromomethane				
xylene (total)	10	0.070	> 99	0.001 ³

* Chloroform was used as the surrogate chemical for VOC reduction claims

- These harmonized values were agreed upon by representatives of USEPA and Health Canada for the purpose of evaluating products to the requirements of this Standard.
- Influent challenge levels are average influent concentrations determined in surrogate qualification testing.
- Maximum product water level was not observed but was set at the detection limit of the analysis.
- Maximum product water level is set at a value determined in surrogate qualification testing.
- Chemical reduction percent and maximum product water level calculated at chloroform 95% breakthrough point as determined in surrogate qualification testing.
- 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.

State of California Department of Public Health

Water Treatment Device

Certificate Number

13-2165

Date Issued: May 21, 2013

Trademark/Model Designation

Brondell H625

Replacement Elements

HF-25

Manufacturer: Brondell, Inc.

The water treatment device(s) listed on this certificate have met the testing requirements pursuant to Section 116830 of the Health and Safety Code for the following health related contaminants:

Microbiological Contaminants and Turbidity

Turbidity

Inorganic/Radiological Contaminants

None

Organic Contaminants

Alachlor
Atrazine
Benzene
Carbofuran
Carbon Tetrachloride
Chlorobenzene
Chloropicrin
2,4-D
DBCP
o-Dichlorobenzene
p-Dichlorobenzene
1,2-Dichloroethane
1,1-Dichloroethylene
cis-1,2-Dichloroethylene
trans-1,2-Dichloroethylene
1,2-Dichloropropane
cis-1,3-Dichloropropylene
Dinoseb

Endrin
Ethylbenzene
EDB
Haloacetoneitriles
Bromochloroacetoneitrile
Dichloroacetoneitrile
Dibromoacetoneitrile
Trichloroacetoneitrile
Haloketones (HK)
1,1-Dichloro-2-Propanone
1,1,1-Trichloro-2-Propanone
Heptachlor
Heptachlor Epoxide
Hexachlorobutadiene
Hexachlorocyclopentadiene
Lindane
Methoxychlor
Pentachlorophenol

Simazine
Styrene
1,1,2,2-Tetrachloroethane
Toluene
2,4,5-TP (Silvex)
Tribromoacetic Acid
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
1,1,2-Trichloroethane
Trichloroethylene
Trihalomethanes (THM's)
Bromodochloromethane
Bromoform
Chloroform
Chlorodibromomethane
Xylenes

Rated Service Capacity: 150 gallons

Rated Service Flow: 0.5 gallons per minute

Conditions of Certification

Do not use where water is microbiologically unsafe or with water of unknown quality, except that systems for cyst reduction may be used on disinfected waters that contain filterable cysts.