



WATER TREATMENT PRODUCTS

2375 Sanders Road • Northbrook, IL 60062 • (847) 205-6000 • FAX (847) 205-6030

H-300 Drinking Water System

PERFORMANCE
DATA SHEET

H-300 Cartridge - Part No. EV927072

IMPORTANT NOTICE: Read this Performance Data Sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that, before purchasing a water treatment unit, you have your water tested to determine your actual treatment needs.

FEATURES

- Finely polishes treated water to premium quality for drinking and cooking.
- Reduces chlorine taste and odor and chloramines.
- Reduces dirt, rust, asbestos fibers, and other particulates such as oxidized iron, manganese, and sulfides – As tested by Everpure.
- Reduces parasitic protozoan cysts such as *Giardia*, *Entamoeba*, *Cryptosporidium*.
- Controls even extreme levels of common "off" tastes and odors, including those which are earthy, moldy and fishy.
- Reduces lead to below the Federal Action Level of 10 ppb.
- Effectively reduces Volatile Organic Chemicals (VOCs), including Trihalomethanes (THMs).
- KDF Media reduces limescale buildup in water-using appliances – As tested by KDF® Fluid Treatment, Inc.
- KDF Media provides bacteriostatic control – As tested by KDF® Fluid Treatment, Inc.

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI*

This system has been tested according to ANSI/NSF 42 and 53 for the 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 ANSI/NSF 42 and 53.

Substance	Influent Challenge Concentration	Max. Permissible Product Water Concentration	Reduction Requirements	Minimum Reduction	Average Reduction
AESTHETIC EFFECTS					
Chlorine	2.0 mg/L ± 10%		≥ 50%		96.8%
Chloramine	3.0 mg/L ± 10%	0.5 mg/L			95%
Particulate, Class I Particles 0.5 - 1 µm	at least 10,000 particles/mL		≥ 85%		99.9%
HEALTH EFFECTS					
Asbestos	10 ⁷ to 10 ⁸ fibers/L	> 10 micrometers in length	99%	99.86%	99.86%
Cyst	Minimum 50,000/L		99.95%	99.99%	99.99%
Turbidity	11 mg/L ± 1 NTU	0.5 NTU		99%	99.3%
Lead 6.5	0.15 mg/L ± 10%	0.010 mg/L		98%	99.1%
Lead 8.5	0.15 mg/L ± 10%	0.010 mg/L		96.5%	99%
Chloroform (VOC surrogate chemical)	0.310 mg/L	0.015 mg/L		95.7%	98.6%

*Tested using flow rate = 0.5 gpm; pressure = 60 psig; pH = 7.5 ± 0.5; temp. = 20° ± 2.5°C

†NTU = Nephelometric Turbidity Units

OPERATING SPECIFICATIONS

- Capacity: 300 gallons (1,135 L)
- Pressure requirement: 10-125 psi (0.7 - 8.6 bar), non-shock
- Temperature: 35-100°F (2-38°C)
- Flow Rate: 0.5 gpm (1.9 Lpm)

**Table 10 - Performance Data Sheet Reduction Claims
for Organic Chemicals Included by Surrogate Testing**

Substance	Influent challenge concentration mg/L	Maximum permissible product water concentra- tion mg/L
alachlor	0.050	0.001
atrazine	0.100	0.003
benzene	0.081	0.001
carbofuran	0.190	0.001
carbon tetrachloride	0.078	0.0018
chlorobenzene	0.077	0.001
chloropicrin	0.015	0.0002
2,4-D	0.110	0.0017
dibromochloropropane (DBCP)	0.052	0.00002
o-dichlorobenzene	0.080	0.001
p-dichlorobenzene	0.040	0.001
1,2-dichloroethane	0.088	0.0048
1,1-dichloroethylene	0.083	0.001
cis-1,2-dichloroethylene	0.170	0.0005
trans-1,2-dichloroethylene	0.086	0.001
1,2-dichloropropane	0.080	0.001
cis-1,3-dichloropropylene	0.079	0.001
dinoseb	0.170	0.0002
endrin	0.053	0.00059
ethylbenzene	0.088	0.001
ethylene dibromide (EDB)	0.044	0.00002
haloacetonitriles (HAN):		
bromochloroacetonitrile	0.0022	0.0005
dibromoacetonitrile	0.024	0.0006
dichloroacetonitrile	0.0096	0.0002
trichloroacetonitrile	0.0015	0.0003
haloketones (HK):		
1,1-dichloro-2-propanone	0.0072	0.0001
1,1,1-trichloro-2-propanone	0.0082	0.0003
heptachlor	0.08	0.0004
heptachlor epoxide	0.0107	0.0002
hexachlorobutadiene	0.044	0.001
hexachlorocyclopentadiene	0.060	0.000002
lindane	0.055	0.00001
methoxychlor	0.050	0.0001
pentachlorophenol	0.096	0.001
simazine	0.120	0.004

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**Table 10 - Performance Data Sheet Reduction Claims
for Organic Chemicals Included by Surrogate Testing**

Substance	Influent challenge concentration mg/L	Maximum permissible product water concentra- tion mg/L
<i>- continued -</i>		
styrene	0.150	0.0005
1,1,2,2-tetrachloroethane	0.081	0.001
tetrachloroethylene	0.081	0.001
toluene	0.078	0.001
2,4,5-TP (silvex)	0.270	0.0016
tribromoacetic acid	0.042	0.001
1,2,4-trichlorobenzene	0.160	0.0005
1,1,1-trichloroethane	0.084	0.0046
1,1,2-trichloroethane	0. 50	0.0005
trichloroethylene	0.180	0.0010
trihalomethanes (includes): chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane	0.310	0.015
xylenes (total)	0.070	0.001

Manufactured by Everpure, Inc. 2375 Sanders Road, Northbrook, IL 60062
(847) 205-6000 Fax: (847) 205-6030

**This page contains materials and DCO information.
IT DOES NOT PRINT AS PART OF THE DOCUMENT!**

VENDOR MUST SUBMIT A MATERIAL CERTIFICATE OF COMPLIANCE WITH EACH SHIPMENT.

Materials & Description: H-300 Drinking Water System PDS EV310316

- Size: 11" x 17"**
- Color: Black; 2 Sided, 1 Sheet**
- Stock: 20# White**
- Other: Fold to 8.5" x 11", Head Out**

LET	CHANGE	BY	APRVD	DCO	DATE
A	LITERS CORRECTED, TEXT CHG		KJK	00150	8/24/00
B	TEXT CHAGES	KJK		01093	6/6/01
C	NORTHBROOK ADDRESS	FL		3343	01/15/02
D	ADD SPEC/ARCHIVE DRAWING	LR	JB	4566	07/29/02