

Better Waters TX9000 Drinking Water System

PERFORMANCE DATA SHEET

TX9000

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.
- Reduces dirt, rust, asbestos fibers, and other particulates such as oxidized iron, manganese, and sulfides.
- 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.
- Effectively reduces Volatile Organic Chemicals (VOCs), including Trihalomethanes (THMs).

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI*

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

Substance	Influent Challenge Concentration	Max. Permissible Product Water Concentration	Reduction Requirements	Minimum Reduction	Average Reduction
<u>AESTHETIC EFFECTS</u>					
Chlorine	2.0 mg/L ± 10%		≥ 50%		96.8%
Particulate, Class I Particles 0.5 - 1 μm	at least 10,000 particles/mL		≥ 85%		99.9%
<u>HEALTH EFFECTS</u>					
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 ± 1 NTU†1	0.5 NTU		99%	99.3%
Chloroform (VOC surrogate chemical)	0.320 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)

GENERAL INSTALLATION/OPERATION/MAINTENANCE REQUIREMENTS

- Space required: 5 x 5 x 22 in. (13 x 13 x 56 cm) including 2-1/2 inches of clear space under unit for cartridge change.
- Install vertically with cartridge hanging down.
- Use minimum length of tubing possible.
- Flush new cartridge at full flow for three minutes to purge air.
- Replace cartridges when capacity is reached, or when flow becomes too slow, but at least annually.

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

Substance	Influent Challenge Concentration mg/L	Maximum permissible Product Water Concentration mg/L
alachlor	0.050	0.001
atrazine	0.100	0.003
benzene	0.081	0.001
carbofuran	0.190	0.01
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	0.080	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
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	0.050	0.0005
trichloroethylene	0.180	0.001
trihalomethanes (includes):		
chloroform (surrogate chemical)		
bromoform	0.310	0.015
bromodichloromethane		
chlorodibromomethane		
xylene (total)	0.070	0.001

SPECIAL NOTICES

- Installation instructions, parts and service availability, and standard warranty are included with the product when shipped.
- This drinking water system must be maintained according to manufacturer's instructions, including replacement of filter cartridges.
- Do not use with water that is microbiologically unsafe, or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.
- The contaminants or other substances removed or reduced by this water treatment system are not necessarily in your water.
- Check for compliance with state and local laws and regulations.
- Tested under standard laboratory conditions, actual performance may vary.

**System Tested and Certified by NSF
International against NSF/ANSI Standards
42 and 53 for the reduction of:**

Standard No. 42: Aesthetic Effects

Chemical Reduction Unit

Taste and Odor Reduction
Chlorine Reduction

Mechanical Filtration Unit

Particulate Reduction, Class I:
99.9+% reduction of particles
one-half micron and larger in size

Standard No. 53: Health Effects

Chemical Reduction Unit

VOC Reduction

Mechanical Filtration Unit

Turbidity Reduction
Cyst Reduction
Asbestos Reduction



(BUYER)

(SELLER)

(DATE)

Manufactured for Better Waters

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