



WATER TREATMENT PRODUCTS

660 Blackhawk Drive • Westmont, IL 60559 • (630) 654-4000 • FAX (630) 654-1115

BW 100 Drinking Water System

PERFORMANCE DATA SHEET

BW 100 Cartridge - Part No. 9668-16

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 supply tested to determine your actual needs.

FEATURES

- Finely polishes treated water to premium quality for drinking and cooking
- Takes out disinfectant chlorine and chloramines
- Filters out dirt, rust, asbestos fibers, and other particulates including oxidized iron, manganese, and sulfides
- Takes out parasitic protozoan cysts including *Giardia*, *Entamoeba*, *Cryptosporidium*
- Adsorbs common earthy, moldy, fishy tastes and odors
- Inhibits limescale buildup in water-using appliances

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI*

(100% safety factors built in for unmetered usage)

Parameter	USEPA MCL	Average Challenge ppb	Average Effluent ppb	Maximum Effluent ppb	Minimum Reduction	Percent Reduction
<u>AESTHETIC EFFECTS</u>						
Chlorine (ppm)	—	1.97	0.06	—	—	97%
T&O	—	—	—	—	—	—
Particles 0.5 - 1.0 um	—	447,168	567	—	—	99.9%
<u>HEALTH EFFECTS</u>						
(100% safety factors built in for unmetered usage)						
Turbidity	1 NTU†	23 NTU	0.26 NTU	0.6 NTU	97%	99%
Cysts (3-4 um particles)	99.95% reduction	67,590 particles	8 particles	19 particles	99.97%	99.99%
Asbestos fibers	7 million/L	13 million/L	<54,000/L	<62,000	>99.5%	99.6%

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

†NTU = Nephelometric Turbidity Units

*Tested using flow rate = 0.5 gpm; pressure = 60 psig; pH = 7.5 ± 1; temp. = 10-25° C

†NTU = Nephelometric Turbidity Units

OPERATING SPECIFICATIONS

- Capacity: certified for chlorine reduction for 1500 gallons (5670 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 20 in. (13 x 13 x 51 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 a few minutes to purge air
- Replace cartridges when capacity is reached, or when flow becomes too slow, but at least annually