



# WATER TREATMENT PRODUCTS

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## QL1-WFA-12 Drinking Water System

### PERFORMANCE DATA SHEET

WFA-12 Cartridge - Part No. EV9302-12

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.
- Reduces chlorine taste and odour.
- Reduces dirt, rust, asbestos fibers, and other particulates such as oxidized iron, manganese, and sulfides.
- Reduces parasitic protozoan cysts such as *Giardia*, *Entamoeba*, *Cryptosporidium*.
- Adsorbs common earthy, mouldy, fishy tastes and odours.

#### 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
<b>AESTHETIC EFFECTS</b>					
Chlorine	2.0 mg/L ± 10%		≥ 50%		95.7%
Particulate, Class I Particles 0.5 - 1 µm	at least 10,000 particles/mL		≥ 85%		99.9%
<b>HEALTH EFFECTS</b>					
Asbestos	10 <sup>7</sup> to 10 <sup>8</sup> 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	0.5 NTU		99%	99.3%

\*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: 2,835 L (750 gallons)
- Pressure requirement: 10-125 psi (0.7 - 8.6 bar), non-shock
- Temperature: 2-38°C (35-100°F)
- Flow Rate: 1.9 Lpm (0.5 gpm)

#### GENERAL INSTALLATION/OPERATION/MAINTENANCE REQUIREMENTS

- Space required: 11 x 11 x 35 cm (4 x 4 x 13.5 in.) including 6 cm (2-1/2 in.) 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.

## 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.

