

# Performance Data Sheet

**Model: LG ADQ36006101-S Use Replacement Cartridge: ADQ36006101**

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 Standard 42 and Standard 53.



System tested and certified by NSF International against NSF/ANSI Standard 42 and Standard 53 for the reduction of substances listed below.

**Capacity:** 200 Gallons (757 Liters) Contaminant Reduction Determined by NSF testing.

Substance Reduction	Average Influent	NSF specified Challenge Concentration	Avg % Reduction	Average Product Water Concentration	Max Permissible Product Water Concentration	NSF Reduction Requirements	NSF Test Report
Chlorine Taste and Odor	1.9 mg/L	2.0 mg/L $\pm$ 10%	84.9%	0.29 mg/L	N/A	$\geq$ 50%	J-00126243
Nominal Particulate Class I, $\geq$ 0.5 to < 10 $\mu$ m	6,866,667 pts/mL	At least 10,000 particles/mL	99.7%	23,417 pts/mL	N/A	$\geq$ 85%	J-00117747
Asbestos	260 MFL	10 <sup>7</sup> to 10 <sup>8</sup> MFL; fibers greater than 10 $\mu$ m in length	>99%	< 1MLF	N/A	$\geq$ 99%	J-00126246
Atrazine	0.0010 mg/L	0.009 mg/L $\pm$ 10%	95.0%	0.0005 mg/L	0.003 mg/L	N/A	J-00117748
Benzene	0.014 mg/L	0.015 mg/L $\pm$ 10%	96.6%	0.0005 mg/L	0.005 mg/L	N/A	J-00117749
Carbofuran	0.09 mg/L	0.08 mg/L $\pm$ 10%	98.9%	0.002 mg/L	0.001 mg/L	N/A	J-00117751
Lindane	0.002 mg/L	0.002 mg/L $\pm$ 10%	99.1%	0.00002 mg/L	0.0002 mg/L	N/A	J-00126254
P-Dichlorobenzene	0.23 mg/L	0.225 mg/L $\pm$ 10%	99.8%	0.0005 mg/L	0.075 mg/L	N/A	J-00126248
Toxaphene	0.014 mg/L	0.015 mg/L $\pm$ 10%	93%	0.001 mg/L	0.003 mg/L	N/A	J-00126249
2,4-D	0.222 mg/L	0.210 mg/L $\pm$ 10%	94.5%	0.012 mg/L	0.070 mg/L	N/A	J-00126247
Lead pH @6.5	0.147 mg/L	0.15 mg/L $\pm$ 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00126252
Lead pH @8.5	0.150 mg/L	0.15 mg/L $\pm$ 10%	>99.3%	0.001 mg/L	0.010 mg/L	N/A	J-00126253
Mercury @ pH 6.5	0.0059 mg/L	0.006 mg/L $\pm$ 10%	96.1	0.0002 mg/L	0.002 mg/L	N/A	J-00126253
Mercury @ pH 8.5	0.006 mg/L	0.006 mg/L $\pm$ 10%	92.6%	0.0005 mg/L	0.002 mg/L	N/A	J-00126251
Cyst*	97,500 cysts/L	Minimum 50,000 cysts/L	99.99%	13 cyst/L	N/A	$\geq$ 99.95%	J-00123282

\* Based on the use of Cryptosporidium parvum oocysts

## Application Guidelines/Water Supply Parameters

Service Flow	0.5 gpm (1.9 lpm)
Water Supply	Potable Water
Water Pressure	20 -120 psi (138 - 827 kPa)
Water Temperature	33°F - 100°F (0.6°C - 38°C)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised.

**Note:** While the testing was performed under standard laboratory conditions, actual performance may vary. Contaminant reduction testing is conducted every five years by certifying agency to maintain certification.

Replacement Cartridge: ADQ36006101

Replacement cartridges can be purchased at original point of sale or visit our website at [www.lg.com](http://www.lg.com)

## WARNING

**Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.**

- Check with your local public works department for plumbing codes. You must follow their guidelines as you install the Water Filtration system.
- Your Water Filtration system will withstand up to 120 pounds per square inch (psi) water pressure. If your house water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the Water Filtration system.

**To reduce the risk associated with the ingestion of contaminants:**

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 water that may contain filterable cysts.

## NOTICE

**To reduce the risk associated with water leakage or flooding:**

- Read and follow Use Instructions before installation and use of this system.
- Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 6 months or sooner.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

## SAFETY INFORMATION

Read, understand, and follow all safety information contained in these instructions prior to installation and use of this product. Retain these instructions for future reference.

## WARNING

**Read entire manual. Failure to follow all guides and rules could cause personal injury or property damage.**

Check with your local public works department for plumbing codes. You must follow their guidelines as you install the water filtration system. Your water filtration system will withstand up to 120 pounds per square inch (psi) water pressure. If your water supply pressure is higher than 80 psi, install a pressure reducing valve before installing the water filtration system.

**To reduce the risk associated with choking:** DO NOT allow children under 3 years of age to have access to small parts during the installation of this product.

**To reduce the risk associated with the ingestion of contaminants:** 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 water that may contain filterable cysts.

## NOTICE

**To reduce the risk associated with property damage due to water leakage or flooding:**

Read and follow Use Instructions before installation and use of this system. Change the disposable filter cartridge at the recommended interval; the disposable filter cartridge MUST be replaced every 6 months or sooner. Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and failure of the filter, causing property damage from water leakage or flooding.

Installation and use MUST comply with all state and local plumbing codes. Protect from freezing, remove filter cartridge when temperatures are expected to drop below 33°F (4.4°C). DO NOT install systems in areas where ambient temperatures may go above 110°F (43.3°C). DO NOT install on hot water supply lines. The maximum operating water temperature of this filter system is 100°F (37.8°C). DO NOT install if water pressure exceeds 120 psi (8.27 kPa). If your water pressure exceeds 80 psi (5.52 kPa), you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure. DO NOT install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition. Where a backflow prevention device is installed on a water system, a device for controlling pressure due to thermal expansion MUST be installed. Contact a plumbing professional if you are uncertain how to select/install/maintain a thermal expansion device. Where a booster pump is installed on a water system, you MUST maintain and inspect the attached pressure switch regularly in accordance with the booster pump manufacturer's instructions. Contact a plumbing professional if you are uncertain how to maintain your booster pump system. Where a booster pump is installed on a water system, you MUST install an appropriate pressure relief valve. Pressure relief valve must be maintained and inspected every 6 months. Contact a plumbing professional if you are uncertain how select/install/maintain a pressure relief valve. Where a booster pump is installed on a water system, you MUST install an appropriate pressure regulating valve and regulate water pressure to <80psi. Contact a plumbing professional if you are uncertain how select/install/maintain a pressure regulating valve.

## IMPORTANT NOTE:

**Before Installing Water Filter:**

If the top shelf is located in the top position, it's necessary to take out and move to the bottom position