

# American Water Solutions

## ARE YOU READY FOR EMERGENCIES?

When disaster strikes, it usually strikes swiftly and without warning. You can take steps to assure the safety of your water supply. You should plan to develop an emergency water procedure now!

## WHAT WILL YOU DO WHEN YOUR WATER SUPPLY IS CONTAMI- NATED?

As vital as water is for human survival, your supply of drinking water could easily be interrupted for weeks, months or years at a time by unexpected disasters. A contaminated water supply can have many causes both natural and man made. Obtaining and purifying safe drinking water is extremely important.

Potential emergency water sources are lakes, wells, rivers and streams. These water sources may look clean but probably contain micro-organisms that can make you sick or even cause death. Environmentalist report that 90 percent of the world's fresh water is contaminated.

## THE SOLUTION

American Water Solutions offers transportable mobile water purification systems from 15 gpm to 250 gpm. Purifying water from almost any water source including sea water is no longer a challenge but a reality.



## BENEFITS OF AWS SYSTEM

- Complete destruction and removal of Bacteria, Viruses and Parasites.
- Complete destruction and removal of Volatile Organic Chemicals.
- Complete destruction, removal, neutralization or reduction (within EPA limits) of heavy metals. i.e. Arsenic, copper, lead, cadmium, zinc and much more.
- Complete destruction and removal of Nitrates, Pesticides, Tannins and much more.
- A powerful EPA approved advanced oxidizing process agent is introduced in the final product water to insure continued disinfecting until consumed.

## AMERICAN WATER SOLUTIONS FILTRATION PROCESS ADVANTAGES



- AWS systems effectively remove contaminants, including heavy metals and nitrates.
- AWS purification destroys all known bacteria and virus.
- All mobile and stationary systems can be modified to meet customer requirements.
- Self-Cleaning Source Filter is virtually maintenance free.
- AWS technical breakthrough provides an economical alternative to costly reverse osmosis membrane replacement.
- AWS systems are simple and inexpensive to operate and maintain; they are not manpower intensive.
- AWS systems are the most advanced and easiest to operate and service in the industrial market.
- AWS uses a purification process that is technologically the most advanced in the world.

*“AWS manufactures and installs industrial turn-key purification systems. The AWS product line includes both stationary and transportable water purification systems.”*

## WORLD WIDE WATER SITUATION

- As the world’s population increases, the contamination of drinking water also increases at alarming rates.
- One quarter of the world’s population is without safe drinking water. Contamination occurs frequently, forcing endless government spending on health care.
- According to the University of Pretoria, South Africa, 50,000 people in the world die each day as a result of water-borne and water related diseases.
- Annually, one billion people are harmed by contaminated drinking water supplies.
- Government experts agree that insurmountable health care costs related to the consumption of contaminated water can be greatly reduced by the advanced technology in the American Water Solutions purification system.



## AWS-1000 MOBILE BOTTLING STATIONS

- AWS has revolutionized disaster relief management by developing Mobile Bottling Stations.
- These stations produce 900 one gallon containers of purified water each hour.
- AWS G-15 and G-100 Series designs allow for air transport.
- AWS System includes a complete Spare Parts Package.
- The G-Model Series can be stored for preparedness in disaster relief.
- The AWS Training Center insures comprehensive education on correct usage and maintenance to all key personnel.

## SERVICE AND SUPPORT



- AWS Installation Technicians and Application Specialists provide on-site, professional installation and training.
- Technical assistance is available 24 hours a day, 7 days a week.
- The Technical Support Line handles parts ordering and service requests.

### WORLD WARRANTY

- The AWS One-Year Warranty covers all parts, including bi-annual service visits.
- AWS offers an optional Four-Year Extended Warranty Program.

## AMERICAN WATER SOLUTIONS (AWS) FILTRATION PROCESS

- AWS systems can draw water directly from any fresh water source, including lakes, rivers, wells, etc.
- AWS technology economically transforms unsafe water sources into safe, potable water.
- The AWS purification process controls the growth and spread of microbial contaminants. The key is the AWS systems' ability to purify during all stages of the filtration process.



### THE PROCESS

- Self-Cleaning Particle Filter
- Sand Trap Filter
- Purification Stage-Bacteria and Virus Destruction
- Multimedia Filtration
- Iron Removal Filtration
- Water Processing Tank
- Heavy Metal Reduction Filter
- Carbon Filtration
- Nitrate Filtration
- Additional Purification Stage
- Sub-Micron Filtration





MODEL	Flow Rate	Daily Volume Gallons	Persons / Served Daily	Annual Capacity Gallons	Annual Operating \$US Costs	Post Amortization \$US Gallon
<b>G-15</b>	15	21,600	4,320	7,834,000	\$3,000	\$0.00038
G-50	50	72,000	14,400	28,280,000	\$9,000	\$0.00031
G-100	104	149,760	29,950	55,000,000	\$12,000	\$0.00022
<b>G-250</b>	250	360,000	72,000	131,400,000	\$20,000	\$0.00019
G-350	350	504,000	100,000	183,960,000	\$25,000	\$0.00019
G-500	500	720,000	144,000	262,800,000	\$32,000	\$0.00



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**Water Solutions for the 21st Century**

**We're On The Web!**  
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*Recognizing the distinct and unyielding human need for water, American Water Solutions holds as its fundamental mission, the supply of high-quality drinking water to its customers in the four corners of the globe. In order to meet this mandate, resources will be devoted to the treatment, storage, and distribution of water. American Water Solutions is further committed to the delivery of water at the most economic cost possible and to the advancement of local economic development through the promotion and sale of a reliable supply of water.*