

HARMSCO®

WG

WaterGuard™ Filtration System

Filtration & Sterilization

Four filtration technologies in one compact design: pre-filter, activated carbon, 1 micron absolute post-filter and ultraviolet sterilization.

The Harmsco® WaterGuard™ Filtration System combines several filtration technologies with Ultraviolet (UV) sterilization, providing a fail-safe unit that continuously improves the water supply by acting as a multi-layer filter, adsorber and sterilizer.

- This product utilizes patented Up-flow technology which prevents accumulation of air inside the filter housing, keeping the filter operating at 100%.

Features

- ▶ Performs to **NSF Standard 42**
- ▶ Patented Up-Flow design
- ▶ 304 stainless steel housing
- ▶ Electro-polished finish
- ▶ Compact design (small foot print)
- ▶ Fail-safe closure system
- ▶ No backwash disposal
- ▶ Maintenance friendly design - single filter cartridge is easily replaced
- ▶ Recommended Max. Temp. 120°F
- ▶ Recommended Flow Rate 15 GPM (Plumbable in parallel for higher flow requirements)

Applications

- ▶ Commercial Drinking Water
- ▶ Food & Beverage
- ▶ Surface Water Treatment Rule (SWTR) LT2
- ▶ Ground Water Under Direct Influence (GUDI)
- ▶ Point of Entry Residential Filtration
- ▶ Water Bottling Filtration
- ▶ Marine/Aquatic Filtration
- ▶ Science / Laboratory



HARMSCO® Filtration Products



Made in USA

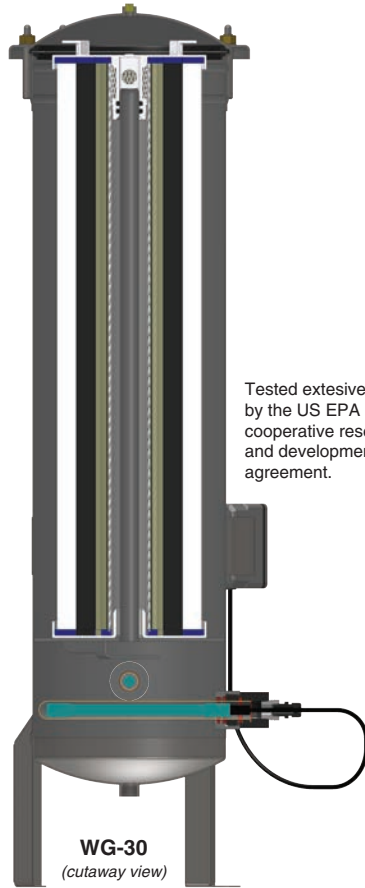
Harmsco® WaterGuard™ Housings WG

UPPER CHAMBER

Contains an advanced filtering cartridge element that is accessed through a secure closure.

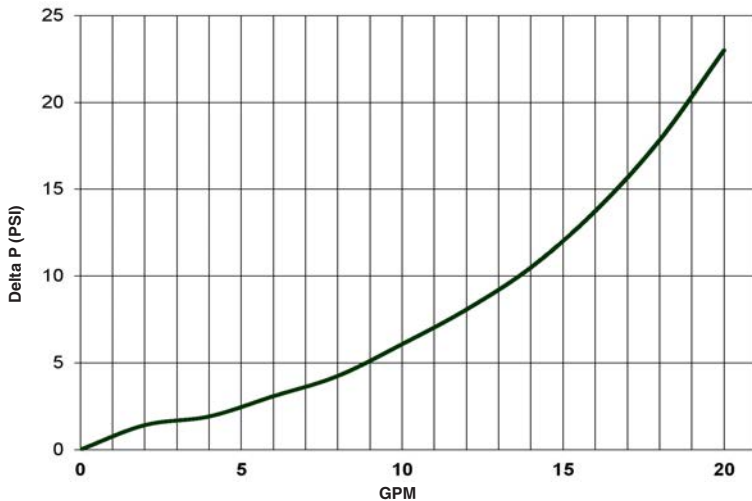
LOWER CHAMBER

Contains two UV lamps* inside quartz sleeves that are seal mounted to the housing's sidewall.



Tested extensively by the US EPA under cooperative research and development agreement.

- ✓ Rugged electro-polished stainless steel filter housing.
- ✓ Fail safe closure system.
- ✓ Patented design keeps the clean filtered water separate from the contaminated, non-filtered water.
- ✓ Patented Up-flow design prevents the accumulation of air inside the filter housing, keeping the filter operating at 100%.
- ✓ No backwash disposal.
- ✓ No concentrate disposal.
- ✓ Virtually all microorganisms are susceptible to ultraviolet sterilization.
- ✓ Large square footage of filter media and huge carbon block extrusion ensure unrestricted flow, resulting in less pressure drop, a common problem with other filters.
- ✓ 24/7 continuous protection.
- ✓ Reduced chlorine, improved taste, reduced odor.
- ✓ Generous porting and non-torturous flow path reduces pressure loss through the entire filter system.
- ✓ Operates in low water pressure environments.
- ✓ Provides safe water treatment without the addition of dangerous chemicals such as chlorine and ammonia.
- ✓ Reduces undesirable elements from water and does not add anything to the water.
- ✓ Easy to install, only requires 1" piping and a single 100V/115V GFCI power outlet.
- ✓ Maintenance friendly design - single filter cartridge is easily installed and removed.
- ✓ Filter cartridge design eliminates the possibility of misalignment when servicing.
- ✓ Allows for easy, simple scheduled maintenance by service provider.



Housing Specifications

Housing is constructed of low carbon stainless steel; max. pressure rating 150 psi; max. temperature 120°F.

Product Code	Max. Flow Rate (gpm)	Home Size (Bed/Bath)	Filter Height (in.)	Service Height (in.)	Housing Diam. (in.)	Inlet/Outlet FPT (in.)	Drains (2) FPT (in.)	Inlet Height (in.)	Outlet Height (in.)	Dry Weight Housing (lbs.)
WG-30	15	3/3	46	76	10	1	1/2	14-1/4	9-3/4	44

Note: This publication is to be used as a guide. The data within has been obtained from many sources and is considered to be accurate. Harmsco does not assume liability for the accuracy and/or completeness of this data. Changes to the data can be made without notification. Temperature, Pressure, Flow Rates, Differential Pressures, Chemical Combinations and other unknown factors can affect performance in unknown ways. Limited Warranty: Harmsco warrants their products to be free of material and workmanship defects. Determination of suitability of Harmsco products for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. The end user/installer/buyer shall be liable for the product's performance and suitability regarding their specific intended applications. End users should perform their own tests to determine suitability for each application.



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