

# HARMSCO®

# HS-30

## HS-30 Filtration System

Advanced Filtration

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

The Harmsco® HS-30 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/ANSI 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 simply serviceable
- ▶ Recommended Max. Temp. 120°F
- ▶ Recommended Max Flow Rate 15 GPM (Plumbable in parallel for higher flow requirements)

### Applications

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



**HARMSCO® Filtration Products**



Made in USA

# Harmsco® HS-30 Housing HS-30

## UPPER CHAMBER

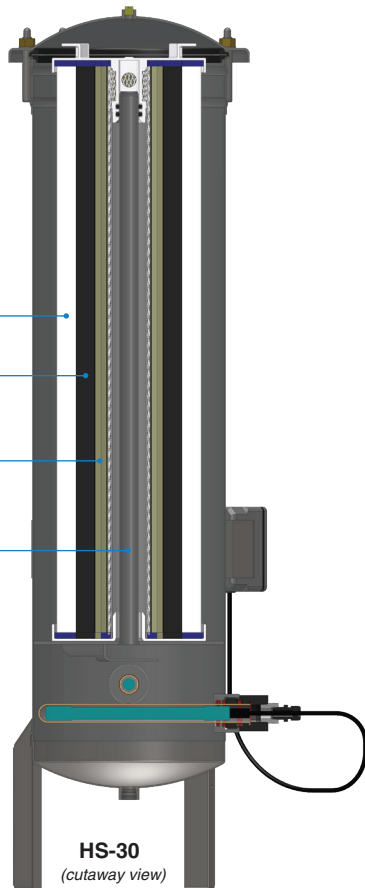
Contains an advanced filtering cartridge. Water must flow through all layers of the cartridge to the top of the chamber, then down the standpipe to the UV reactor.

- Pre-filter (5 micron absolute)
- Activated Carbon (Coconut Shell)
- Inner Media (1 micron absolute)
- Center Core

## LOWER CHAMBER

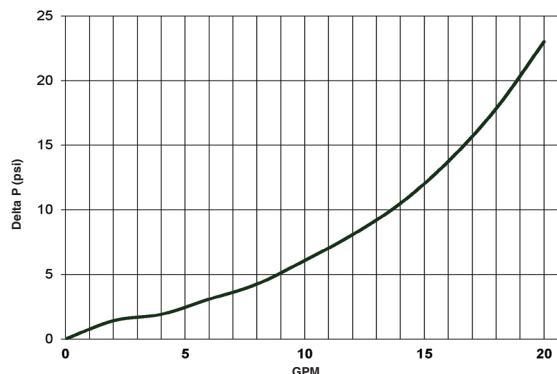
Contains two UV lamps inside quartz sleeves that are seal mounted to the housing's sidewall.

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



- ✓ Patented design keeps the clean filtered water separate from the contaminated, non-filtered water.
- ✓ No concentrate disposal.
- ✓ 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.

### Flow Rate/Pressure Drop



## Ultraviolet Light and Microorganisms

Ultraviolet light has been used and accepted as a disinfectant for years. Microorganisms, such as *Escherichia coli*, *Salmonella typhi*, and *Hepatitis A virus*, are lethally affected when exposed to UV. However, not all species react to the same extent, and conditions vary depending on the UV intensity and time. Some microorganisms require such a high dose of UV to be effective that filtration is still the recommended and most feasible means to disinfect. It is for these reasons that Harmsco has developed the HS-30 Water Filter that utilizes a multi-technology, flow-through barrier cartridge filter, and a powerful ultraviolet disinfecting reactor, in one convenient appliance.

## 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.)
HS-30	15	3/3	46	76	10	1	1/2	14-1/4	9-3/4

## Cartridge Specifications

\*Cartridge is sold separately\*

Product Code	Outer Filter Sediment Removal (ft. <sup>2</sup> )	Activated Carbon Adsorber Extrusion (in. <sup>3</sup> )	Final Filter Cyst Rated (ft. <sup>2</sup> )
HSC-30	50	404	18.5

**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.



### HARMSCO® Filtration Products

7169 49th Terrace North, Riviera Beach, FL 33407  
(561) 848-9628 • Toll-free: (800) 327-3248 • E-mail: sales@harmsco.com

[www.harmsco.com](http://www.harmsco.com)



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