

Premium String Wound Cartridges

Depth Filtration

Designed for Hurricane® and WaterBetter® Filter Housings.

Harmsco® high-flow string wound cartridges are fabricated with the latest technology and provide excellent depth filtration which primarily retains contaminants within the tortuous passage in the depth of the cartridge wall.

- High flow capability
- Lower overall operating cost
- Reduced waste disposal
- Longer filter runs/fewer change-outs
- Increased contaminant removal

Features

- ▶ SW String Wound Cartridges are wound in a precise pattern around the core providing dual gradient filtration with greater surface area
- ▶ Temperatures up to 165°F (73.9°C) and flow rates up to 150 GPM
- ▶ Offered with ABS end caps for superior cartridge sealing
- ▶ No by-pass like standard string wound cartridges
- ▶ Manufactured from durable polypropylene material that is wound around a rigid perforated steel core for superior performance and longer filter runs
- ▶ Available in three (3) nominal micron sizes: 1, 20, 50



Harmsco® Premium String Wound Cartridges

Applications

- ▶ Electronics
- ▶ Metal Finishing
- ▶ Plating Solutions
- ▶ Fine Chemicals
- ▶ Process Water
- ▶ Frac Water Filtration
- ▶ Environmental Filtration
- ▶ Industrial Waste Water Treatment
- ▶ Aqueous Solutions
- ▶ Marine/Aquatic Filtration



Premium String Wound Cartridges

Specifications

- ▶ **Filter Media:** Polypropylene fiber material
- ▶ **Center Core:** Perforated coated metal
- ▶ **End Caps:** Injection molded ABS
- ▶ **pH:** 6.5 to 9.5
- ▶ **Temperature Rating*:** 40°F - 165°F (4.4°C - 73.9°C)
- ▶ **Change Out:** 25-30 PSI (1.72-2.07 Bar) ΔP
- ▶ **O-Ring and Sealing Grommet:** Buna N standard; optional Viton available

*Temperature ratings based on pressure and time under load.

Cartridge Selection/Sizing Guide

7-3/4" O.D.

Cartridge Length

Product Code	Nominal Micron Rating	Media (lbs.)	Recommended Flow Rate (GPM)	Length (in.)	No./Carton
Premium String Wound Cartridges					
HC/40-SW-1	1	2	30	9-5/8	1
HC/40-SW-20	20	1.8	30	9-5/8	1
HC/40-SW-50	50	1.75	30	9-5/8	1
HC/90-SW-1	1	4.1	60	19-1/2	1
HC/90-SW-20	20	3.8	60	19-1/2	1
HC/90-SW-50	50	3.5	60	19-1/2	1
HC/170-SW-1	1	6.9	90	30-3/4	1
HC/170-SW-20	20	6.4	90	30-3/4	1
HC/170-SW-50	50	5.8	90	30-3/4	1

9-5/8"

19-1/2"

30-3/4"



Harmsco® Premium String Wound Cartridges
Length and O.D.

End Caps: color coded for easy nominal micron identification



1 Micron
Fine 1-5



20 Micron
Medium 10-20

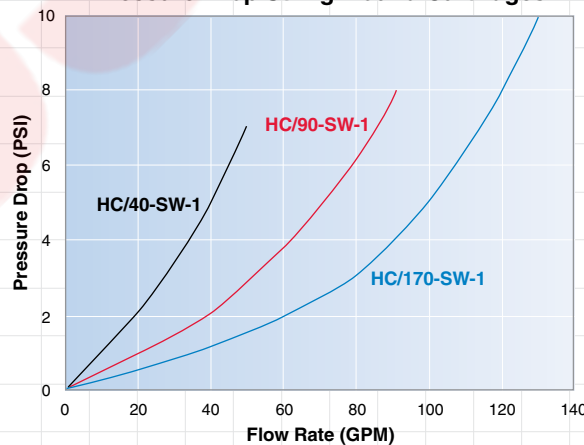


50 Micron
Coarse 30-50

Pressure Drop

Pressure drop shown at right is for filter housing and cartridge in clean water at start up.

Pressure Drop String Wound Cartridges



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

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