HARMSCO®

PC

Premium Polyester Series Cartridges

Industrial Grade

Designed for HIF, BC, HMC and FSSS Filter Housings

Highly efficient filter cartridges made of pleated Polyester-Plus™ filter media. The industry's largest surface area.

● **Lower overall operating cost**
Longer filter runs for fewer change outs
Lower initial pressure drops
Reduced maintenance down time and cost
Increased contaminant removal
High flow capability

NSF
Certified to
ANSI-NSF 61
Excluding High Temp

Features

▶ Pleated design for more surface area

▶ FDA approved materials - NSF 61 certified

▶ Engineered media for superior performance

▶ Cleanable and reusable in most applications and micron sizes

▶ Thermally bonded end caps to ensure better sealing

▶ Color coded end caps for easy micron identification

▶ Full product line - largest selection of micron ratings

▶ High Temperature cartridges available (not NSF 61 Listed)

Applications

▶ Reverse Osmosis Pre-filtration

▶ Municipal Drinking Water Filtration

▶ Commercial/Residential Drinking Water Filtration

▶ Desalination Pre-filtration

▶ Industrial Water Filtration

▶ Cooling Tower Filtration

▶ Chill Water Loop Filtration

▶ Food & Beverage Filtration

▶ Marine/Aquatic Filtration

▶ Industrial Coolant Filtration

hfp **HARMSCO® Filtration Products**

Made in USA

Specifications

- ▶ **Filter media** - Polyester-Plus™
- ▶ **Temperature** - 140˚F (standard cartridges)
  200˚F (high temp. cartridges)
- ▶ **Dimensions** - 2-3/4" O.D.; 1-1/16" I.D.
- ▶ **Center tubes** - Molded ABS or rigid PVC

- ▶ **pH** - 3 to 11
- ▶ **Flow rate** - 4-6 GPM per 9-3/4" length
- ▶ **End caps** - Plastisol (pliablePVC),
  except urethane on HT series
- ▶ **Surface area (801 Series)** - 6 sq.ft.
  per 9-3/4" length (approx.)

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Cartridge Selection/Sizing Guide

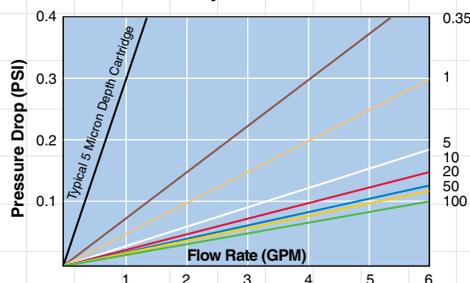**2-3/4" O.D.** Harmsco® HIF filter housings use 9-3/4", 19-1/2" and 29-1/4" length cartridges only.

Product Code	Nominal Micron Rating	Media (sq ft)	Recommended Flow Rate* (GPM)	Length (in)	O.D. (in)	No./Case
Polyester-Plus™ - engineered for high efficiency, low pressure drops						
801-0.35	0.35	6	6	9-3/4	2-3/4	24
801-1	1	6	6	9-3/4	2-3/4	24
801-5	5	6	6	9-3/4	2-3/4	24
801-10	10	6	6	9-3/4	2-3/4	24
801-20	20	6	6	9-3/4	2-3/4	24
801-50	50	6	6	9-3/4	2-3/4	24
801-100	100	6	6	9-3/4	2-3/4	24
921-0.35	0.35	12	12	19-1/2	2-3/4	24
921-1	1	12	12	19-1/2	2-3/4	24
921-5	5	12	12	19-1/2	2-3/4	24
921-10	10	12	12	19-1/2	2-3/4	24
921-20	20	12	12	19-1/2	2-3/4	24
921-50	50	12	12	19-1/2	2-3/4	24
801-0.35/20*	0.35	12	12	20	2-3/4	24
801-1/20	1	12	12	20	2-3/4	24
801-5/20*	5	12	12	20	2-3/4	24
801-20/20*	20	12	12	20	2-3/4	24
801-50/20	50	12	12	20	2-3/4	24
931-0.35	0.35	18	18	29-1/4	2-3/4	24
931-1	1	18	18	29-1/4	2-3/4	24
931-5	5	18	18	29-1/4	2-3/4	24
931-10	10	18	18	29-1/4	2-3/4	24
931-20	20	18	18	29-1/4	2-3/4	24
931-50	50	18	18	29-1/4	2-3/4	24
801-0.35/30*	0.35	18	18	30	2-3/4	24
801-1/30	1	18	18	30	2-3/4	24
801-5/30*	5	18	18	30	2-3/4	24
801-20/30*	20	18	18	30	2-3/4	24
801-50/30	50	18	18	30	2-3/4	24
801-0.35/40*	0.35	24	24	40	2-3/4	24
801-1/40	1	24	24	40	2-3/4	24
801-5/40*	5	24	24	40	2-3/4	24
801-20/40*	20	24	24	40	2-3/4	24
801-50/40	50	24	24	40	2-3/4	24
Polyester: High Temperature - rated up to 200°F (93°C); standard dark blue end caps						
801-1-HT	1	6	6	9-3/4	2-3/4	24
801-5-HT	5	6	6	9-3/4	2-3/4	24
801-20-HT	20	6	6	9-3/4	2-3/4	24
801-50-HT	50	6	6	9-3/4	2-3/4	24

Cartridge Length column (left margin): 9-3/4", 19-1/2", 20", 29-1/4", 30", 40", 9-3/4"

* Add suffix "W" if wrapped (ex. "801-0.35/20W").

Low Pressure Drop With Harmsco® Cartridges

Pressure Drop (PSI) vs Flow Rate (GPM). Typical 5 Micron Depth Cartridge curve. Curves labeled 0.35, 1, 5, 10, 20, 50, 100.

Nominal Micron	0.35	1	5	10	20	50	100
End Cap	Brown	Tan	White	Red	Blue	Yellow	Green

Graph colors (left) correspond with color codes (above) used to identify nominal micron rating of cartridge.

Pressure drops are exceptionally low with Premium Series cartridges due to high surface area and Polyester-Plus™ engineered media. The data shown (left) is per new 9-3/4" cartridge in clean water.

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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