

# HARMSCO® FILTER CARTRIDGES

## 801 Series



Certified to  
ANSI/NSF-61

Highly efficient filter cartridges made of pleated Polyester-Plus™ filter media for low pressure drop, high flow capability, increased contaminant removal, long filter runs, reusability and the lowest cost per gallon filtered.

### Features:

- Pleated design with up to 50% more surface area than competitive filters resulting in superior performance & increased contaminant removal
- Longer filtration runs for fewer change-outs and less maintenance
- Low pressure drop
- Thermally bonded for longer usable life
- FDA approved materials - NSF 61 certified
- Engineered media for superior performance



### Specifications:

Seven micron ratings and color coded end caps for easy identification.

Micron Rating (nominal) - Removal efficiencies are shown at right based on tests conducted by the Microtrac Division of Leeds & Northrup Co.

Micron Ratings	Percentage Removal
0.35 μ	99.9%
1 μ	99.9%
5 μ	99.9%
10 μ	99.5%
20 μ	98.5%

**Filter media:** Polyester-Plus™  
**End caps:** Plastisol (pliable PVC)  
**Center tubes:** Molded ABS or rigid PVC  
**Temperature:** 140°F (standard cartridges)  
 200°F (high temp. cartridges)

**Flow rate:** 4-6 GPM  
**pH:** 3 to 11  
**Surface area:** 801-Series: 6 sq. ft. per 9-3/4" length (approx.)  
**Dimensions:** 2-3/4" O.D.; 1-1/16" I.D.  
**Shrink wrap:** Single length cartridges are available shrink wrapped



## Harmsco® Filtration Products

P.O. Box 14066, North Palm Beach, FL 33408  
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10M-0602

# Product Codes and Cartridge Selection



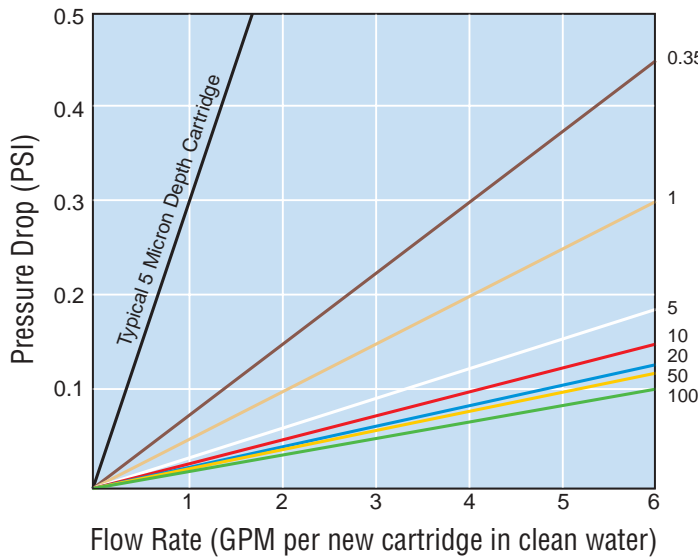
Top-of-the-Line Harmsco® "801-Series" cartridges with approximately six sq. ft. of media per 9-3/4" length

801 Series Cartridges



Nominal Micron	Product Code								End Cap	Cartridges per Case
	Single/Regular	Single/High Temp.	Double	Triple	10"	20"	30"	40"		
0.35	801-0.35		921-0.35	931-0.35	801-0.35/10	801-0.35/20	801-0.35/30	801-0.35/40	Brown	24
1	801-1	801-1-HT	921-1	931-1	801-1/10	801-1/20	801-1/30	801-1/40	Tan	24
5	801-5	801-5-HT	921-5	931-5	801-5/10	801-5/20	801-5/30	801-5/40	White	24
10	801-10		921-10	931-10					Red	24
20	801-20	801-20-HT	921-20	931-20	801-20/10	801-20/20	801-20/30	801-20/40	Blue	24
50	801-50	801-50-HT	921-50	931-50	801-50/10	801-50/20	801-50/30	801-50/40	Yellow	24
100	801-100								Green	24

Note: Single length 801-Series cartridges available shrink wrapped designated by "W" following product code.  
 \* For competitive filter housings requiring true 10", 20", 30" and 40" length cartridges.  
**High temp cartridges rated up to 200°F.**



## Low Pressure Drop with Harmsco® Cartridges

Pressure drops are exceptionally low with Harmsco 801 Series cartridges due to high surface area and Polyester-Plus™ engineered media. The data shown to left is per 9-3/4" cartridge in clean water.



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

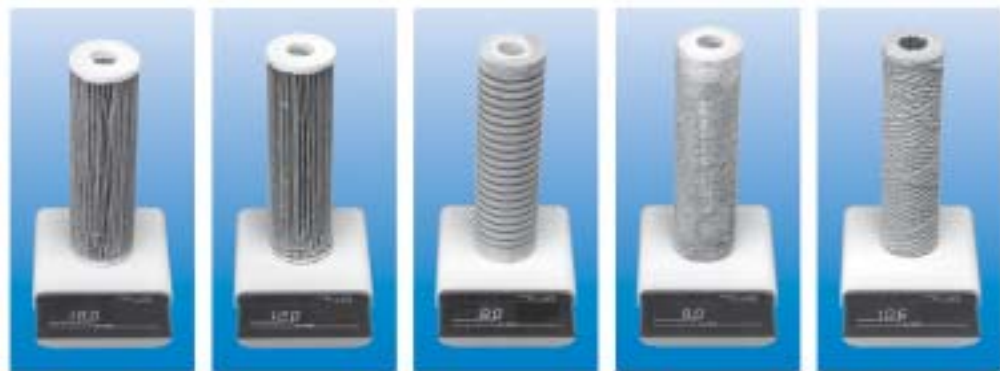
Note: rules in graph at left correspond with color codes used to identify each filter cartridge's nominal micron rating.

Five commonly used filter cartridge types were evaluated in our test facility to determine filter life and dirt holding capacity. All cartridges tested are rated five micron nominal by their manufacturer. A mixture of water and coarse test dust was used to determine relative performance. Each cartridge was weighed prior to the tests, thoroughly dried and weighed after the tests to determine solids removal. Gallons filtered were recorded until each cartridge reached its capacity at 30 psid. The results are shown below.

### Plated cartridges

### Depth cartridges

To dramatically demonstrate relative performance between the five 5 micron cartridge types tested, a highly concentrated mixture of water and coarse test dust, representing 3% solids by weight, was used. Filtration capacity was terminated when each cartridge reached 30 psi (2 bar) differential.



	Harmsco 801	WaterBetter	Resin Bonded	Spun Polypropylene	String Wound
Solids removed:	12.0 oz. (340 grams)	7.0 oz. (199 grams)	3.3 oz. (94 grams)	2.5 oz. (71 grams)	2.1 oz. (60 grams)
Quantity filtered:	50.4 gals. (189 liters)	33.2 gals. (124 liters)	8.4 gals. (32 liters)	5.9 gals. (22 liters)	4.0 gals. (15 liters)



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