

ECHOTec. FILTER CARTRIDGES

801 Series

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.



Certified to
ANSI/NSF-61

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 or Urethane (pliable)
Center tubes: ABS, PP, OR, PVC
Temperature: 140°F (standard cartridges)
 200°F (high temp. cartridges)

Flow rate: 4-6 GPM per 9-3/4" length
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 shrink-wrapped



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Product Codes and Cartridge Selection

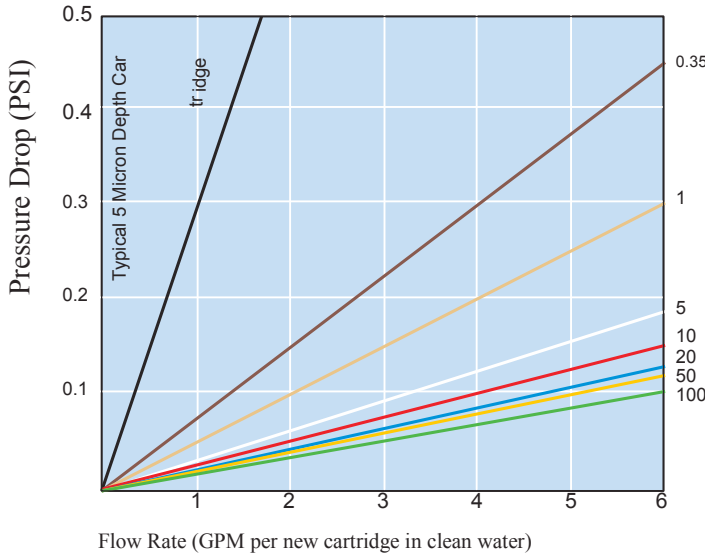


Top-of-the-Line ECHOTec "801-Series" cartridges with approximately six sq. ft. of media per 9-3/4" length



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

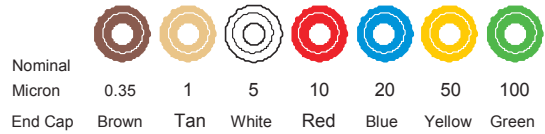
Note: Single length 801-Series cartridges available shrink-wrapped designated by "W" following product code.
 * For competitive filter housings requiring true 10", 20", 30" and 40" length cartridges.



Low Pressure Drop with ECHOTec.

Cartridges

Pressure drops are exceptionally low with ECHOTec. 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.



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.

	Pleated cartridges		Depth cartridges		
	ECHOTec. 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)

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.



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