

HC Series-61 High Capacity Wound Filter Cartridges

HC Series-61 polypropylene string wound filter cartridges are certified to comply with materials safety requirements of NSF/ANSI 61 "Drinking water system components - Health effects." These filters are manufactured to be used by water municipalities and in various point-of-entry (POE) potable water systems. In addition, these filters are made using polypropylene complying with FDA CFR 177.1520. HC "high capacity" string wound filters, formerly sold under the Delta Pure name, provide excellent filtration for fluids with a wide particle size distribution. The HC series filters are wound with two zones in order to provide longer filter life with challenging fluids. A more open pre-filtration section serves to protect the downstream media and remove larger particles, while a tighter final filter section provides removal of smaller particles. The rating of each zone is specified in order to provide a filter uniquely tailored to process requirements. Precision winding geometry provides consistent removal efficiency. Ratings are available from 0.5um to 200um. Polyester or polypropylene core covers allow added containment removal assurance. Cartridges are available in continuous lengths from 3" to 72" and diameters from 2" to 4 1/2". End fitting options allow installation into most filter housings.



HC Series-61 string wound filter cartridges provide longer life by virtue of their dual-zone construction

Applications

- Municipal water filtration
- RO pre-filtration - fresh water
- RO pre-filtration - desalination
- Well water pump - house filtration
- Commercial POE water filtration
- Residential POE water filtration
- Bottled water
- Juices, flavors, food rinse water
- Cosmetics
- Hot water to 176 deg. F

Benefits

- NSF/ANSI 61 Certified to meet municipality purchasing specifications
- Variety of sizes and configurations to ensure proper sizing, fit, and sealing
- High sediment holding capacity for longer time between filter changes
- Continuous lengths up to 72"
- Technical support
- Fast lead times

Box Quantities by length

2-3/8" to 2-1/2" Diameter

10"	Length	30/Box
20"	Length	15/Box
30"	Length	15/Box
40"	Length	15/Box
50"	Length	20/Box

4-1/2" Diameter

10"	Length	12/Box
20"	Length	6/Box
30"	Length	3/Box

DELTA PURE FILTRATION IS NOW AJR FILTRATION



Specifications

Filter Medium:

Polypropylene, per FDA CFR 177.1520

Rigid Internal Filter Support Core:

Polypropylene, per FDA CFR 177.1520

Cartridge ID:

1" nominal standard

Cartridge OD:

2" to 4 1/2"

Length:

3" to 72"

Special lengths available

Efficiency: 90% nominal; 80% below 3 micron

Maximum Differential Pressure (DP):

60 PSID (4 bar)

Recommended Maximum Change-Out DP:

30 PSID (2 bar)



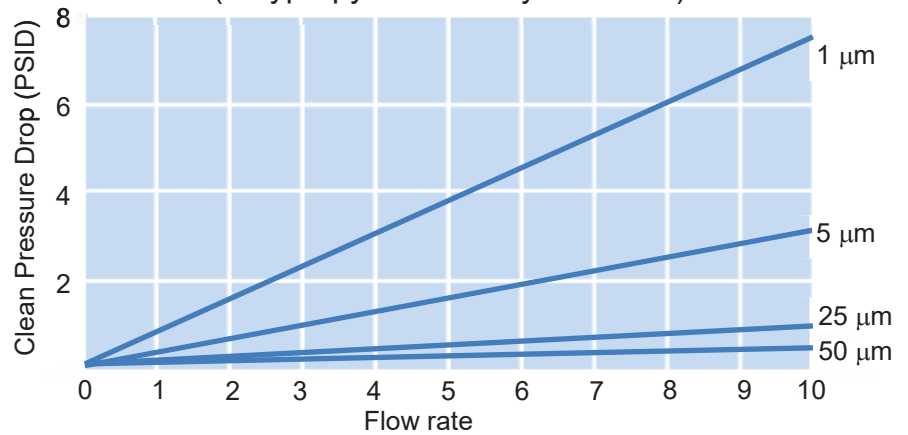
NSF/ANSI 61

The HC Series-61 is certified by IAPMO R&T to NSF/ANSI 61.



Pressure Drop vs. Flow Rate

(Polypropylene and Nylon Media)



(GPM Water per 10" Length, 2 1/2" OD)

Note: Please consult factory for data on other media and fluids.

Example:

HC-5/25-01-40-1-D-2SF-61-ISW

HC - 5/25 - 01 - 40 - 1 - D - 2SF - 61 - ISW

Micron Rating Filter Media Length Core Type Outside Diameter Option

HC Series-61 Model/Code Ordering Info

MICRON RATING	FILTER MEDIA	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS	O-RINGS
Downstream/Upstream	01 - FDA polypropylene	3	1 - Polypropylene	A- 2"	Blank - DOE, plain ends	Blank = Buna
0.5		3.75		B- 2 1/4"	N - Polyester core cover	none if DOE
1		4		C- 2 3/8"	Y - Polypropylene core cover	-E = EPDM
3		4.75		D- 2 1/2"	2SPR - 222 w/ spring top*	-S = Silicone
5		5		E- 2 5/8"	2SD - 222 w/ disc*	
10		6		*H- 4"	2SF - 222 w/ fin*	
15		9.75		*J- 4 1/2"	6SPR - 226 w/ spring top*	
20		10			6SD - 226 w/ disc*	
25		12			6SF - 226 w/ fin*	
30		12.5			E - DOE, extended core	*O-Rings are only available on 222 and 226 options
50		19.5			GP - DOE, polyethylene gasket (heat sealed to filter)	
75		20			P - Plug in one end	
100		24.5			SPR - SOE, with polypro spring	
125		29.25			SPRE - SOE, with polypro spring and extender	
150		30			IBL - Individually bagged and labeled	
200		36			ISW - Individually shrink wrapped and labeled	
	Contact AJR to inquire about custom materials and configurations	40		*ISW is standard	ISWL - Individually shrink wrapped and labeled	Certification: 61- NSF/ANSI 61
		50				
		72				