



HSC SERIES

Pleated Jumbo High Flow Filter Cartridges
Data Sheet

- Available in three sizes 9 5/8", 19 1/2" and 30 3/4".*
- Cleanable and reusable in most micron ratings and filtration applications.
- 0.2, 0.35, 0.45, 1, 5, 10, 20, 50, 100 and 150 Micron Ratings.
- Complies with NSF/ANSI Standard 61 Material Safety Requirements.
- 100% Surfactant and Binder Free.
- High Flow Rates, Lower Initial Pressure Drop.
- Longer Life, Longer Filter Runs.
- FDA / USP Material Safety Compliant.



HYDROSCIENTIFIC™ PLEATED JUMBO HSC SERIES CARTRIDGES

are high flow performance cartridges designed to meet and exceed operational requirements in high flow applications. Their 100% Polyester material is ideal for almost every application where a rugged, cleanable and reusable cartridge is required.

HYDROSCIENTIFIC™ PLEATED JUMBO HSC SERIES CARTRIDGES

deliver high flow capability while reducing filter change-outs due to their high dirt holding capacity and increased particle removal. HSC Series Cartridges are surfactant and binder free, incorporate a built-in seal and are available in a wide range of sizes and micron ratings.

HSC SERIES - PLEATED JUMBO CARTRIDGE SPECIFICATIONS									
Cartridge Length	Part Number	Description	Micron Rating (μ)	Rcmd. Flow Rate (gpm)**	Max. Flow Rate (gpm)**	Max. Flow Rate (lpm)**	Max. Flow Rate (m ³ /hr)**	Box Dimension (Inches)	Case Qty (pcs)
9 5/8"	HSC-40-0.2-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 9 5/8", Absolute	0.2	35	50	189	12	9" x 9" x 11"	1
	HSC-40-0.35-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 9 5/8", Absolute	0.35	35	50	189	12	9" x 9" x 11"	1
	HSC-40-0.45-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 9 5/8", Absolute	0.45	35	50	189	12	9" x 9" x 11"	1
	HSC-40-1-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 9 5/8", Absolute	1	35	50	189	12	9" x 9" x 11"	1
	HSC-40-1	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	1	35	50	189	12	9" x 9" x 11"	1
	HSC-40-5	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	5	35	50	189	12	9" x 9" x 11"	1
	HSC-40-10	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	10	35	50	189	12	9" x 9" x 11"	1
	HSC-40-20	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	20	35	50	189	12	9" x 9" x 11"	1
	HSC-40-50	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	50	35	50	189	12	9" x 9" x 11"	1
	HSC-40-100	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	100	35	50	189	12	9" x 9" x 11"	1
HSC-40-150	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	150	35	50	189	12	9" x 9" x 11"	1	
19 1/2"	HSC-90-0.2-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 19 1/2", Absolute	0.2	70	100	378	24	9" x 9" x 21"	1
	HSC-90-0.35-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 19 1/2", Absolute	0.35	70	100	378	24	9" x 9" x 21"	1
	HSC-90-0.45-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 19 1/2", Absolute	0.45	70	100	378	24	9" x 9" x 21"	1
	HSC-90-1-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 19 1/2", Absolute	1	70	100	378	24	9" x 9" x 21"	1
	HSC-90-1	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	1	70	100	378	24	9" x 9" x 21"	1
	HSC-90-5	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	5	70	100	378	24	9" x 9" x 21"	1
	HSC-90-10	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	10	70	100	378	24	9" x 9" x 21"	1
	HSC-90-20	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	20	70	100	378	24	9" x 9" x 21"	1
	HSC-90-50	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	50	70	100	378	24	9" x 9" x 21"	1
	HSC-90-100	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	100	70	100	378	24	9" x 9" x 21"	1
HSC-90-150	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	150	70	100	378	24	9" x 9" x 21"	1	
30 3/4"	HSC-170-0.2-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 30 3/4", Absolute	0.2	105	150	568	36	9" x 9" x 32"	1
	HSC-170-0.35PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 30 3/4", Absolute	0.35	105	150	568	36	9" x 9" x 32"	1
	HSC-170-0.45PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 30 3/4", Absolute	0.45	105	150	568	36	9" x 9" x 32"	1
	HSC-170-1-PPA	HydroScientific™ Pleated All Poly Jumbo, 7 3/4" x 30 3/4", Absolute	1	105	150	568	36	9" x 9" x 32"	1
	HSC-170-1	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	1	105	150	568	36	9" x 9" x 32"	1
	HSC-170-5	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	5	105	150	568	36	9" x 9" x 32"	1
	HSC-170-10	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	10	105	150	568	36	9" x 9" x 32"	1
	HSC-170-20	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	20	105	150	568	36	9" x 9" x 32"	1
	HSC-170-50	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	50	105	150	568	36	9" x 9" x 32"	1
	HSC-170-100	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	100	105	150	568	36	9" x 9" x 32"	1
HSC-170-150	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	150	105	150	568	36	9" x 9" x 32"	1	

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Data Sheet

APPLICATIONS

- Desalination Prefiltration
- Cooling Tower Filtration
- Whole House Filtration
- Process Water
- Well Water
- Industrial Waste Water Treatment
- Reverse Osmosis Prefiltration
- Residential, Commercial, Industrial

MATERIALS OF CONSTRUCTION

Filter Media: Pleated Polyester
End Caps: Plastisol
Center Tubes: ABS or PVC

Filter Media (Absolute): Polypropylene
End Caps (Absolute): Polypropylene
Center Tubes (Absolute): Polypropylene

OPERATIONAL DATA

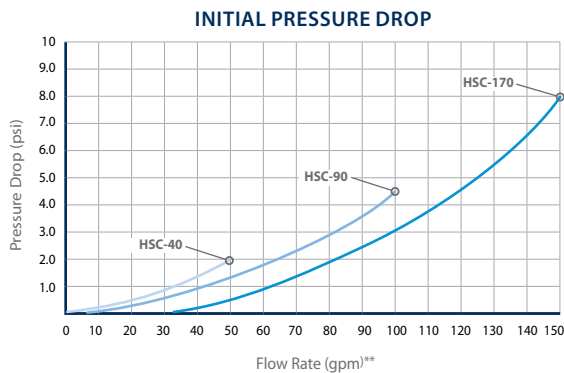
Max. Operating Temperature: 140° F (60° C)***

* Custom sizes available upon request.

** HydroScientific recommends operation at 70% of maximum flow rate for optimum performance.

*** Temperature limits vary and depend on pressure and time under load.

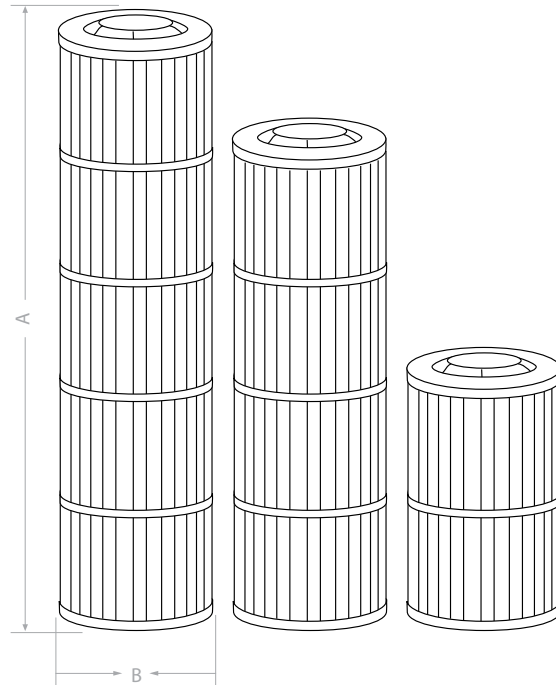
FDA / USP Material Safety Compliance - All materials comply with FDA requirements for food and beverage contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics.



Pressure drop shown above is for filter housing and 20 micron filter cartridge in clean water.



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HSC SERIES DIMENSIONS

MODEL	A Length	B Diameter
HSC-40	9 5/8"	7 3/4"
HSC-90	19 1/2"	7 3/4"
HSC-170	30 3/4"	7 3/4"

HSC SERIES SPECIFICATIONS

MODEL	Media (sq ft)
HSC-40	40
HSC-90	90
HSC-170	170

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