



PLEATED JUMBO HIGH FLOW FILTER CARTRIDGES

HSC SERIES



This filter cartridge is tested and certified by NSF International to NSF/ANSI/CAN 61, NSF/ANSI 372

COMPONENT

HYDROSCIENTIFIC™ PLEATED JUMBO 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 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. The HSC Series Pleated Jumbo High Flow Filter Cartridges are NSF/ANSI/CAN61 & NSF/ANSI 372 certified.

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 (m³/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-40-0.35	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8"	0.35	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
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-90-0.35	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2"	0.35	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
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-170-0.35	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4"	0.35	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 SERIES - ABSOLUTE - LT2 COMPLIANT PLEATED JUMBO CARTRIDGE SPECIFICATIONS									
LT2	HSC-40-LT2	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 9 5/8", Absolute - LT2	1	30	30	113	6.8	9" x 9" x 11"	1
	HSC-90-LT2	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 19 1/2", Absolute - LT2	1	65	65	246	14.7	9" x 9" x 21"	1
	HSC-170-LT2	HydroScientific™ Pleated Synthetic Jumbo, 7 3/4" x 30 3/4", Absolute - LT2	1	100	100	378	22.7	9" x 9" x 32"	1

PLEATED JUMBO HIGH FLOW FILTER CARTRIDGES

HSC SERIES



APPLICATIONS

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

FEATURES

- 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.
- NSF/ANSI/CAN61 & 372 certified.

OPERATIONAL DATA

Max. Operating Temperature: 140 °F (60 °C)***
- Synthetic Cartridge
176 °F (80 °C)***
- All Poly Cartridge

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

* 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.

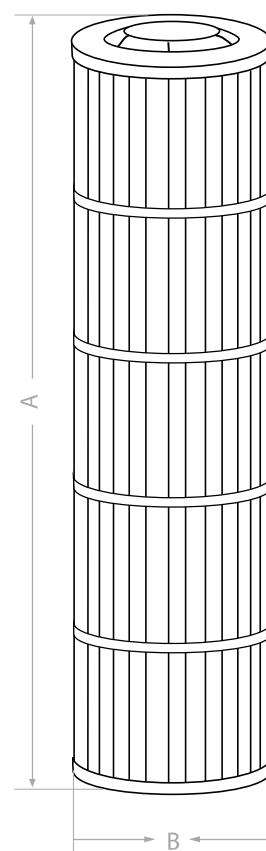
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HSC SERIES DIMENSIONS

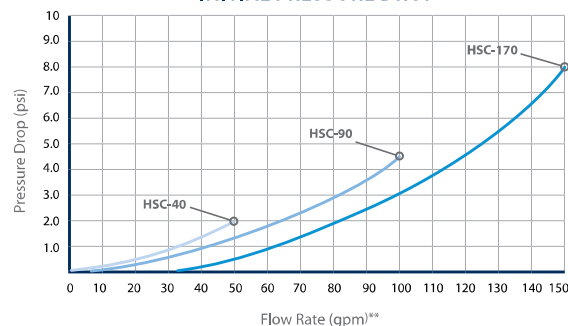
MODEL	A Length	B Diameter
HSC-40	9 5/8"	7 3/4"
HSC-90	19 1/2"	7 3/4"
HSC-170	30 3/4"	7 3/4"

HSC SERIES SPECIFICATIONS

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



INITIAL PRESSURE DROP



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