



Clean Liquid Systems, LLC

7422 Kearney Hill Lane

Spring, TX 77389

Phone# 713-253-0100 / 713-253-5001

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HF SERIES HIGH FLOW CARTRIDGES

All cartridges are multi layer construction for maximum pleat support and dirt loading.

FEATURES AND SPECIFICATIONS

- CLS offers the highest grade, 90% and 99.98% efficient cartridges on the market today
- Our media is manufactured in-house under strict guidelines to ensure consistency and maximum dirt loading
- Complete In-house testing with a Capillary Flow Porometer guarantees a superior and consistent product
- 8 micron ratings, multiple lengths and 5 end cap configurations to ensure we produce the element you require
- Cartridges have thermally bonded end caps and ultrasonic welded media seams for a one piece construction
- We install the maximum amount of media in each filter without pleat binding for increased dirt loading capacity
- Cartridges are 100% polypropylene
- CLS guarantees all media materials used in production are FDA Title 21 compliant
- We offer inside out OR outside in flow pattern for your specific housing application.
- Longer service life equals reduced maintenance and downtime



Product tested and certified by WQA:
NSF/ANSI 61 and CSA 483.1





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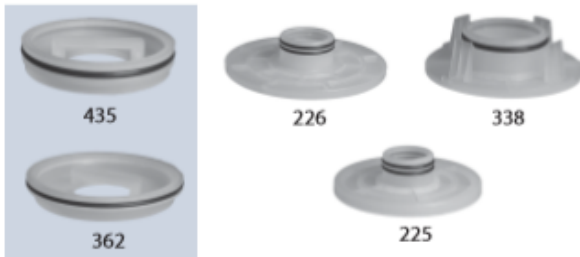
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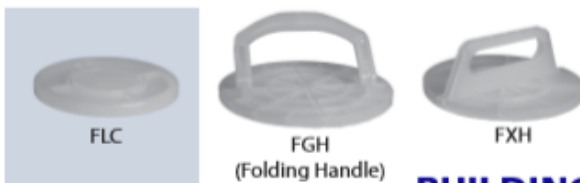
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Materials of Construction		Dimensions (nominal)	
Filter Media:	Polypropylene Melt Blown	Outside Diameter:	6.25" (Nominal)
Core:	Polypropylene	Lengths:	20", 30", 39", 40", 60", & 80"
Netted Outer Cage:	Polypropylene		
Support Material:	Polypropylene		
Sealing:	Thermal Bond		
O-Rings:	Buna N, *(Viton®, Teflon®, Silicone, Neoprene & EPDM) * Available for a cost adder.		
Operating Conditions		Performance Specifications	
Maximum Differential Pressure: 60 psid @ 180°F, 82°C		Retention Ratings of 90% and 99.98% at: .5, 1, 3, 5, 10, 25, 60 & 100 micron	
Toxicity		Purity	
Cartridges are manufactured with no additives or other manufacturing agents. We guarantee all materials used in the production meet FDA Title 21 of the Code of Federal Regulations 174.6 and 177.1520.		Cartridges are Free of Surfactants, Resins, Binders and Adhesives	
Certification		NSF/ANSI 61	

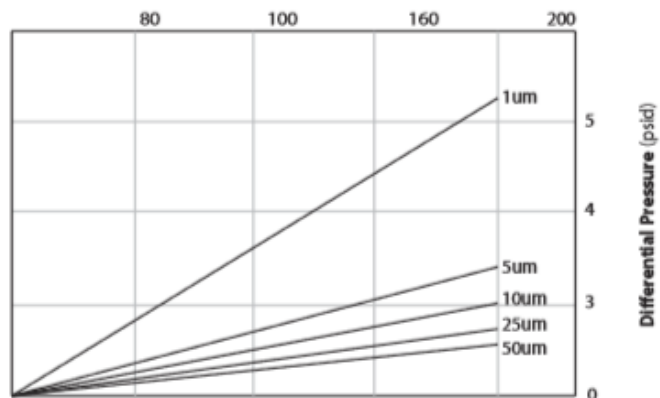
OPEN END CONFIGURATIONS



CLOSED END CONFIGURATIONS



Flow Rate (US gal/min) (1016mm/40"Element)



BUILDING A PART NUMBER

HIGH FLOW CARTRIDGE	MEDIA	EFFICIENCY	MICRON	LENGTH	OPEN END	CLOSED END	O-RING	OUTTER SUPPORT
HF	E	A	1	2			B	
HF= Pleted	E = Polypropylene C = Custom *	A=90% B=99.98%	.5 1 3 5 10 25 50 100	5=20 7=30 8=39 9=40 10=60 11=80 A=custom	225 226 338 362 435	FGH = Folding FXH = Fixed Handle FLC = Flat	B = Buna V = Viton* T = Teflon* S = Silicone N = Neoprene D = EPDM	C=Hard Cage *ADDITIONAL CHARGES N=Netting

*Call for custom medias or non-standard applications



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