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## High Efficiency Pleated Cartridges

RECO's High Efficiency Pleated Cartridges are 90% and 99.98% efficient. Our media is manufactured in-house with strict guidelines for consistency, and utilizes lamination and calendaring to allow us to control the final media grades. Reco uses in-house testing with a Capillary Flow Porometer that guarantees superior and consistent product. Thermally bonded end caps and ultrasonic welded media seams contribute to one-piece construction. Elements are 100% Polypropylene and meet FDA Title 21 regulations for food and water contact. Cartridges can be rinsed in 18 mega ohm water.

- End Caps: 222, 226, Flat Gasket, Spring, Fin.
- Standard lengths are up to 40 inches.

Materials of Construction		Dimensions (nominal)	
Filter Media:	Polypropylene Melt Blown	Outside Diameter:	2.7"
Hard Outer Cage:	Polypropylene	Lengths:	10", 20", 30", 40"
Netted Outer Cage:	Polypropylene	Lengths:	9.75", 10", 19.5", 20", 29.25", 30", 39", 40"
Support Material:	Polypropylene		
Sealing:	Thermal Bond		
Gasket/O-Rings:	Buna N, Viton®, Teflon®, Silicone, Neoprene, EDPM		
<b>Surface Area</b>		<b>Performance Specifications</b>	
Up to 5.5ft <sup>2</sup> (.23m <sup>2</sup> ) of Effective Filtration Area per 10" equivalent, dependent upon micron ration		Retention Ratings: .2, .45, 1, 3, 5, 10, 25, 50 micron	
<b>Operating Conditions</b>		<b>FDA Listed Materials</b>	
Maximum Differential Pressure: 35psid @ 120°F (49°C)		Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. code of federal regulations	
<b>Toxicity</b>		<b>Purity</b>	
RECO's 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 174.5 and 177.1520.		Cartridges are Free of Surfactants, Resins, Binders, and Adhesives.	
<b>Sterilizations</b>			
Multiple Autoclaving for 30 Minutes at 250°F (121°C) under no End Load Conditions. In-line Steam Sterilization is not Recommended. May be in-line Sanitized with Hot Water at 180°F (82°C) for 1 hour.			

Building a Part Number							
High Efficiency Pleated Cartridge	Media	Efficiency	End Cap	Micron	Gasket/O-Ring	Cartridge Length	18 Mega Ohm Rinse
H	E	A	3	1	B	5	R
H = Hard Cage NH = Netted Cage	E = Polypropylene	A = 90% B = 99.98%	1 = DOE/Plastisol 2 = 222/Fin 3 = 222/Spring 4 = 222/Flat 5 = 226/Flat 6 = 226/Fin 7 = 226/Spring 8 = SOE/Spring 9 = Flat Gasket A = Custom	.2 .45 1 5 10 25 50	B = Buna V = Viton® T = Teflon® S = Silicone N = Neoprene D = EPDM	2 = 9.75 3 = 10 4 = 19.5 5 = 20 6 = 29.25 7 = 30 8 = 39 9 = 40	R