



**American Filter
Manufacturing**

*H & NH Series in 2
efficiency grades,
offer the ultimate in
high-end filtration*

HIGH EFFICIENCY PLEATED CARTRIDGES

AFM's High-Efficiency Cartridges are premium pleated filters engineered for superior particle retention and long service life. Manufactured entirely in-house under strict quality standards, they deliver consistent performance with efficiency ratings of 90% and 99.98%. Constructed from 100% FDA Title 21 compliant polypropylene, these cartridges are designed for reliability, durability, and optimal dirt-holding capacity across a wide range of applications.

PRODUCT FEATURES

- Available in multiple micron ratings and lengths for precise fit and performance
- One-piece construction with thermally bonded end caps and ultrasonic welded seams ensures zero bypass
- Maximized media design prevents pleat blinding and increases dirt-loading capacity
- Optional final rinse with 18 megaohm water for ultrapure applications
- Complete in-house testing with Capillary Flow Porometer guarantees consistent quality
- Complete in-house testing ensures a superior and consistent product

INDUSTRY APPLICATIONS

- Food and Beverage
- Commercial/Retail Distribution
- Custom/OEM Application
- High Purity Water
- Pharmaceutical
- Industrial

AVAILABLE END CAPS



226



222



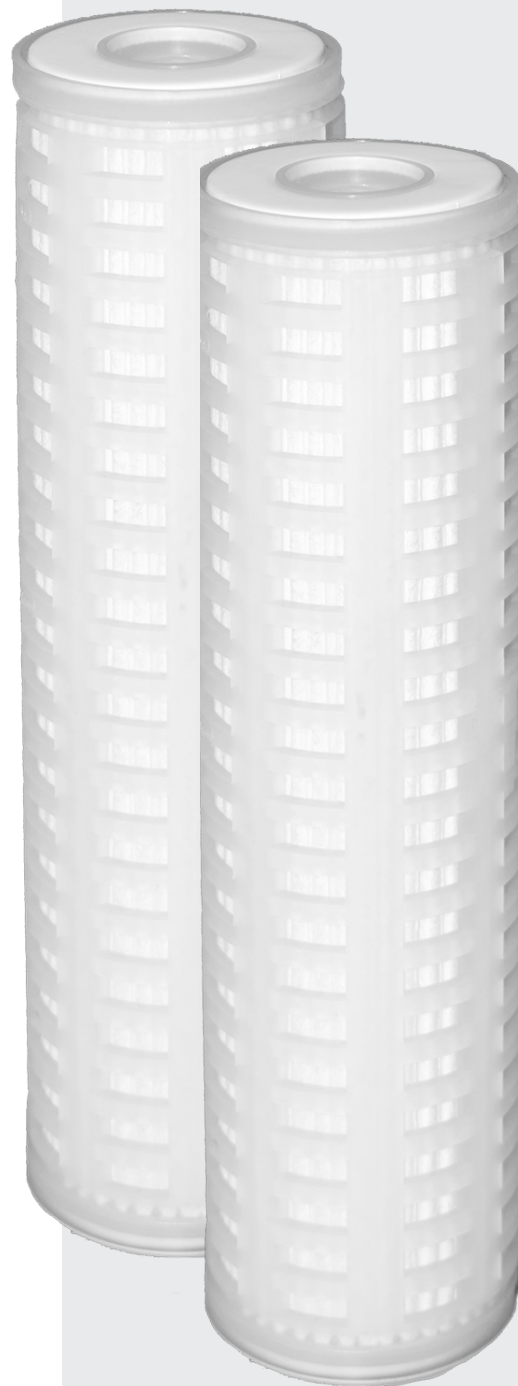
DOE Gasket



Fin



Closed



PROUDLY MADE IN THE USA

www.afm.us



PRODUCT SPECIFICATIONS

Surface Area	Performance Specifications	Operating Conditions	FDA Listed Materials	Toxicity	Purity	Sterilization
Up to 5.5ft ² (.23m ²) of Effective Filtration Area per 10" equivalent, dependent upon micron rating	Retention Ratings of 90% and 99.98% at: .2, .45, 1, 3, 5, 10, 25, & 50 micron	Maximum Differential Pressure: 35 psid @ 180°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	AFM'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	Multiple Autoclaving for 30 Minutes at 250°(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°) for 1 hour.

Materials of Construction		Dimensions (Nominal)	
Filter Media:	Polypropylene Melt Blown	Outside Diameter:	2.65"
Hard Outer Cage:	Polypropylene	Lengths:	10", 20", 30", & 40"
Netted Outer Cage:	Polypropylene		
Support Material:	Polypropylene		
Sealing:	Thermal Bond	Lengths:	9.75", 10", 19.5", 20", 29.25", 30", 39", & 40"
Gaskets/O-Rings:	Buna N, Viton®, Teflon®, Silicone, Neoprene & EDPM		

PRODUCT IDENTIFICATION

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

* Other options available upon request

WEIGHTS & DIMENSIONS

Cartridge Length (in)	Cartridge Weight (lbs)	Qty/Box	Box Weight (lbs)	Box Dimensions (L x W x H in)	Cartridge Qty/ Pallet	Pallet Weight (lbs)	Pallet Dimensions (L x W x H in)
10	0.5	6	9.25	10.5 x 7 x 15.5	270	416.25	48 x 40 x 52.5
20	1		12.25	10.5 x 7 x 25.5	180	367.5	48 x 40 x 57
30	1.5		15.25	10.5 x 7 x 35.5	90	228.75	48 x 40 x 41.5
40	2		18.25	10.5 x 45.4	90	273.75	48 x 40 x 51.5

* Weights and dimensions are approximate

- Industry Standard sizes are stocked and ready to ship
- Custom manufacturing and complete customization available



Certified by IAPMO R&T to NSF/ANSI 42 for material safety only.



American Filter Manufacturing

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1030 East Elm Street
Rensselaer, IN 47978

Office: (219) 866-3500
Email: order@afm.us

www.afm.us

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