



BATES WATER SOLUTIONS, INC.

Challenge Us. We solve Water Equipment Issues.
760 N. Frontage Rd. Suite 103 - Willowbrook IL 60527
P. 630-964-1539 F. 630-590-5377

PROUDLY MADE IN AMERICA

High Efficiency Pleated Cartridges

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



- BWS offers the highest grade, **90% and 99.98% efficient elements** on the market today
- Our media is **manufactured in-house** under strict guidelines to ensure consistency
- **In-house lamination and calendaring** of our medias allow us to control the final media grades
- Complete in-house testing with a Capillary Flow Porometer guarantees a **superior and consistent product**
- With 8 micron ratings and multiple lengths to ensure we **produce the element you require**
- Elements have thermally bonded end caps and ultrasonic welded media seams for a **one piece construction**
- Final, one piece construction up to 40" long **ensures zero bypass**
- We install the maximum amount of media in each filter without pleat binding for **increased dirt loading capacity**
- Elements are **100% polypropylene**—media, inner and outer supports and end caps
- Elements meet **FDA Title 21** regulations for food and water contact
- Cartridges are constructed in a **clean room environment**
- Cartridges may be ordered as final **rinsed with 18 mega ohm water**

***Please call with all of your applications
(630) 964-1539***

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		
Gaskets/O-Rings:	Buna N, Viton [®] , Teflon [®] , Silicone, Neoprene & EDPM		
Surface Area		Performance Specifications	
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	
Operating Conditions		FDA Listed Materials	
Maximum Differential Pressure: 35 psid @ 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	
Toxicity		Purity	
BWS'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	
Sterilization			
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.			



222, 226, Flat Gasket, Spring, Fin

Building a Part Number

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	2 = 9.75 (2)	1 = DOE/Plastisol (2)	B = Buna V = Viton [®] T = Teflon [®] S = Silicone N = Neoprene D = EPDM	R
			.45	3 = 10	2 = 222/Fin		
			1	4 = 19.5 (2)	3 = 222/Spring		
			3	5 = 20	4 = 222/Flat		
			5	6 = 29.25 (2)	5 = 226/Flat (1)		
			10	7 = 30	6 = 226/Fin (1)		
			25	8 = 39 (2)	7 = 226/Spring (1)		
			50	9 = 40	8 = SOE/Spring		
					9 = Flat Gasket		
		A = Custom					

(1) Available in Hard Cage Only (2) Available in Netted Cage Only

