



EMAIL: FILTRATION@JOHNBROOKS.CA

AB 430 SERIES FILTERS

AB430-002-05-15

COST EFFECTIVE FILTRATION

HART introduces its AB-430 Series absolute rated filter cartridge. Each cartridge has a fixed pore media with a pleat designed to maximize effective surface area and dirt holding capacity while preventing particle unloading and fiber migration.

Available in a wide variety of filter media, this cartridge can be constructed with acetal end caps and a tinned steel core for fuel or high temperature applications.

BENEFITS

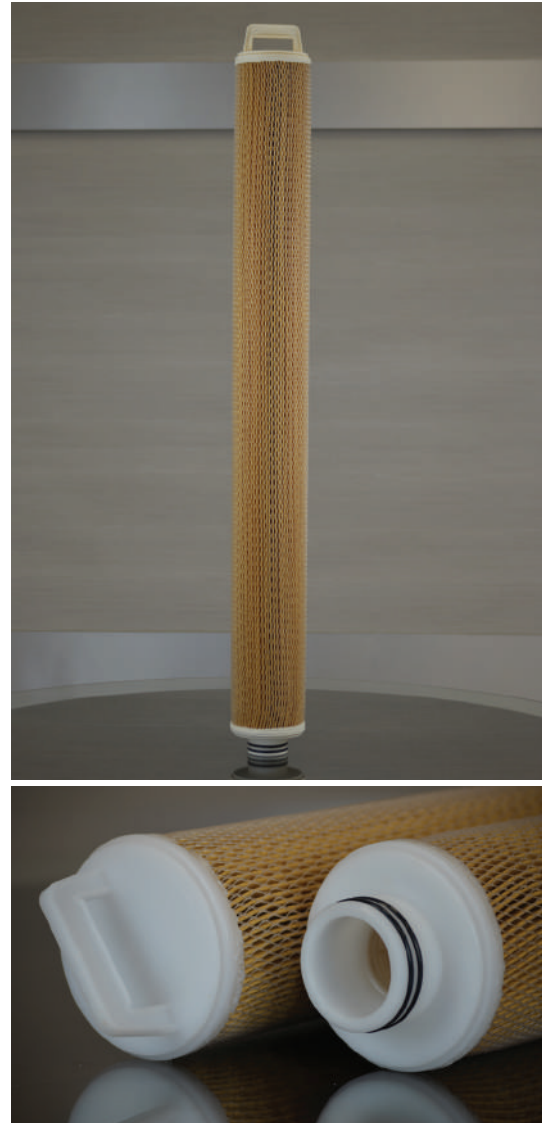
- Designed to replace industry standard 4.25" OD filter elements.
- Dirt holding capacity is maximized in media selection and pleat design.
- Wide-range of media and hardware options allows for compatibility with almost any fluid.
- Ergonomic design allows for easy installation and extraction resulting in an operator friendly element.
- Dual o-ring seal to ensure positive capture of contaminants.
- Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications.

COMMON APPLICATIONS

- Water and Wastewater, Process Fluids, Acids, Bases, Amines, Glycols, Hydrocarbons, Brines, Organic Solvents, Fuels

DIMENSIONS

Outside Diameter: 4.25"
Inside Diameter: 1.5"
Length: 40"



MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester, Nylon
Center Core: Polypropylene, Tinned Steel, Stainless Steel
Netting: Polypropylene, Nylon
End Caps: Polypropylene, Acetal, Tinned Steel

PRODUCT SPECIFICATIONS

Micron Ratings @ 99.98% (beta 5000): 0.5, 2, 5, 10, 20, 40, 70 and 100 micron

Surface Area: Up to 45 ft²

Maximum Operating Conditions: 185°F (85°C) continuous operating temperature

Recommended Flow Rate for Optimal Dirt Loading: 25 GPM

Recommended Differential Pressure for change-out: 35 PSID

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	430	431	433	435	437	438	439	4310
99.00% (beta 100)	0.3	1	2	5	10	25	40	70
99.98% (beta 5000)	0.5	2	5	10	20	40	70	100

DIRT HOLDING CAPACITY (LBS)* *Based on standard 40" filter element*

FILTER MODEL	430	431	433	435	437	438	439	4310
Pounds of Solids	4.15	4.92	5.27	5.27	5.45	5.53	5.80	6.15

CLEAN PRESSURE DROP (PSID)* *Based on standard 40" filter element*

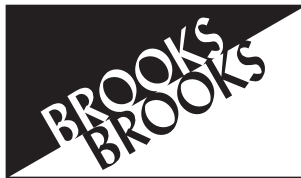
FILTER MODEL	430	431	433	435	437	438	439	4310
PSID @ 15 GPM	1.03	0.47	0.34	0.34	0.33	0.30	0.29	0.28
PSID @ 25 GPM	1.57	0.74	0.60	0.60	0.58	0.56	0.51	0.47
PSID @ 35 GPM	1.78	0.95	0.88	0.88	0.88	0.87	0.83	0.81
PSID @ 45 GPM	2.42	1.33	1.12	1.07	1.03	0.97	0.91	0.89

CARTRIDGE CODING

AB	—	435	—	P	P	40	6	E
ABSOLUTE RATED FILTER SERIES		MICRON RATING @ 99.98%		NON-MEDIA COMPONENTS	MEDIA	LENGTH	END CAP	O-RING
		430 - 0.5 Micron		*P - Polypropylene	C - Cellulose	40 - 40"	6 - 226 (Standard O-ring)	E - EPDM
		431 - 2 Micron		L - Acetal	G - Glass			B - Buna-N
		433 - 5 Micron		M - Tinned Steel	P - Polypropylene			V - Viton®
		435 - 10 Micron			R - Polyester			
		437 - 20 Micron			N - Nylon			
		438 - 40 Micron						
		439 - 70 Micron						
		4310 - 100 Micron						

* The raw polypropylene materials composing these filters are FDA compliant according to CFR Title 21

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