



EMAIL: FILTRATION@JOHNBROOKS.CA

AB 500 SERIES FILTERS

AB500-002-05-15

COST EFFECTIVE FILTRATION

HART introduces its AB-500 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 nylon, polyester and tinned steel end caps and tin core for high temperature applications.

BENEFITS

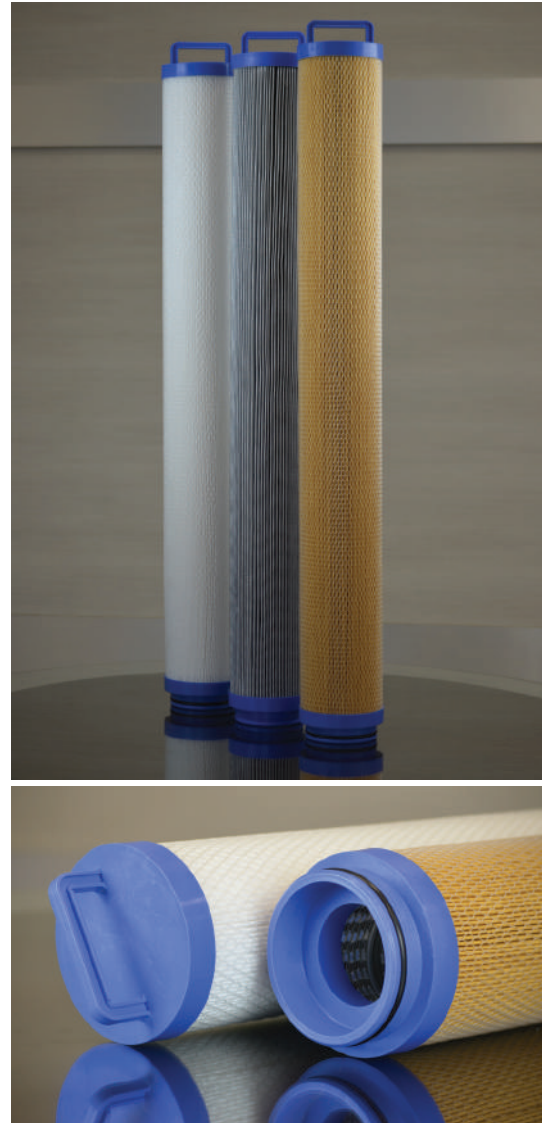
- Designed to replace industry standard 5.00" OD filter elements
- Dirt holding capacity is maximized in media selection and pleat design
- Wide-range of media and hardware options allows for compatibility with almost any fluid
- High Temperature applications
- Ergonomic design allows for easy installation and extraction resulting in an operator friendly element
- Fixed pore media prevents particle unloading
- Absolute Rated media for reliable results in any critical application

COMMON APPLICATIONS

- Amines, Glycols, Sour Water, Acids, Bases, Diesel, Naphtha, LCO, Fuels, Pre-RO, Brines, Waterflood, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 5.00"
Inside Diameter: 2.50"
Length: 40" (nominal)



MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester, Nylon
Center Core: Tinned Steel, Stainless Steel
Netting: Polypropylene, Nylon
End Caps: Nylon, Polyester, 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 60 ft²

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

Recommended Flow Rate for
Optimal Dirt Loading: 30 GPM

Recommended Differential Pressure
for change-out: 35 PSID

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	500	501	503	505	507	508	509	510
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	500	501	503	505	507	508	509	510
Pounds of Solids	4.15	4.92	5.27	5.27	5.45	5.53	5.80	6.00

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

FILTER MODEL	500	501	503	505	507	508	509	510
PSID @ 15 GPM	1.03	0.47	0.34	0.34	0.33	0.30	0.29	0.25
PSID @ 25 GPM	1.57	0.74	0.60	0.60	0.58	0.56	0.51	0.45
PSID @ 35 GPM	1.78	0.95	0.88	0.88	0.88	0.87	0.83	0.74
PSID @ 45 GPM	2.42	1.33	1.12	1.07	1.03	0.97	0.91	0.80

CARTRIDGE CODING

AB	505	N	P	40	4	E
ABSOLUTE RATED FILTER SERIES	MICRON RATING @ 99.98%	NON-MEDIA COMPONENTS	MEDIA	LENGTH	END CAP	O-RING
	500 - 0.5 Micron 501 - 2 Micron 503 - 5 Micron 505 - 10 Micron 507 - 20 Micron 508 - 40 Micron 509 - 70 Micron 510 - 100 Micron	N - Nylon R - Polyester M - Carbon Steel	C - Cellulose G - Glass *P - Polypropylene R - Polyester	40 - 40"	4 - External (Standard o-ring)	E - EPDM B - Buna-N V - Viton®

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

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