EMAIL: FILTRATION@JOHNBROOKS.CA

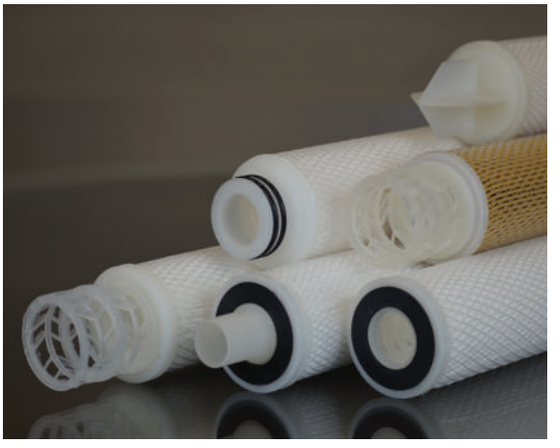
CONVENTIONAL AB SERIES FILTERS

CS-002-05-15

COST EFFECTIVE FILTRATION

HART's pleated cartridges are designed to efficiently remove a large range of solids from process streams. Each cartridge has a pleated, fixed pore media which maximizes effective surface area while preventing particle unloading and fiber migration. Absolute media micron ratings between 0.5 to 100 micron.

Based on similar flow rates, HART Conventional Series filters have up to 4 times the dirt holding capacity of typical string wound cartridges and up to twice the dirt holding capacity of typical spun bonded filters.



BENEFITS

- Provides significantly greater dirt holding than string wound and spun bonded elements.
- Simple installation with various end cap and seal material options to ensure positive capture of contaminants.
- Absolute Rated media for reliable results in any critical application.
- Fixed pore media prevents particle unloading and allows for absolute rating.
- Superior methods of construction combined with excellent quality control techniques, ensure that JBCL filter cartridges will provide quality filtration in difficult operating conditions.

COMMON APPLICATIONS

- Water and wastewater, process fluids, amines, glycols, hydrocarbons, brines, organic solvents,fuels, acids, bases

DIMENSIONS

Outside Diameter:	2.50”
Inside Diameter:	1.1”
Length:	19.5“, 20”, 29.25”, 29.5”, 29.75”, 29.25”, 30”, 36”, 40”

MATERIALS OF CONSTRUCTION

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

PRODUCT SPECIFICATIONS

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

Surface Area:
Up to 5.1 ft² Per 10" of filter length

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

Recommended Flow Rate for Optimal Dirt Loading:
2.0 GPM per 10" of filter length

Recommended Differential Pressure for change-out: 35 PSID

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	0.5	2	5	10	20	40	70	100
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)* *Per 10" length*

FILTER MODEL	0.5	2	5	10	20	40	70	100
Pounds of Solids	0.50	0.61	0.65	0.65	0.65	0.67	0.70	0.74

CLEAN PRESSURE DROP (PSID)* *Per 10" length*

FILTER MODEL	0.5	2	5	10	20	40	70	100
PSID @ 2 GPM	1.30	0.42	0.24	0.23	0.21	0.19	0.19	0.14
PSID @ 4 GPM	4.57	0.52	0.49	0.47	0.46	0.46	0.41	0.35
PSID @ 6 GPM	7.64	1.79	1.07	1.04	1.01	0.77	0.60	0.52
PSID @ 8 GPM	10.4	2.80	1.69	1.67	1.65	1.40	1.29	1.15

CARTRIDGE CODING

AB	—	0.5	—	P	4	2	B

ABSOLUTE SERIES

MICRON RATING @ 99.98%

- 0.5 - 0.5 Micron
- 2 - 2 Micron
- 5 - 5 Micron
- 10 - 10 Micron
- 20 - 20 Micron
- 40 - 40 Micron
- 70 - 70 Micron
- 100 - 100 Micron

MEDIA

- C - Cellulose
- G - Glass
- *P - Polypropylene
- R - Polyester
- N - Nylon

LENGTH

- 2 - 29.75"
- 3 - 36"
- 4 - 40"
- 5 - 30"
- 6 - 29.25"
- 7 - 29.50"
- 8 - 19.50"
- 9 - 20"

END CAP

- 1 - DOE
- 2 - 222 o-ring
- 3 - SOE w/ Spring
- 7 - 222 w/ Fin

SEAL MATERIAL

- B - Buna-N
- E - EPDM
- V - Viton®
- S - Silicone

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

BROOKS BROOKS
SPRAYING PUMPING FILTERING AND VALVES

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