



EMAIL: FILTRATION@JOHNBROOKS.CA

ABP SERIES FILTERS

ABP-002-05-15

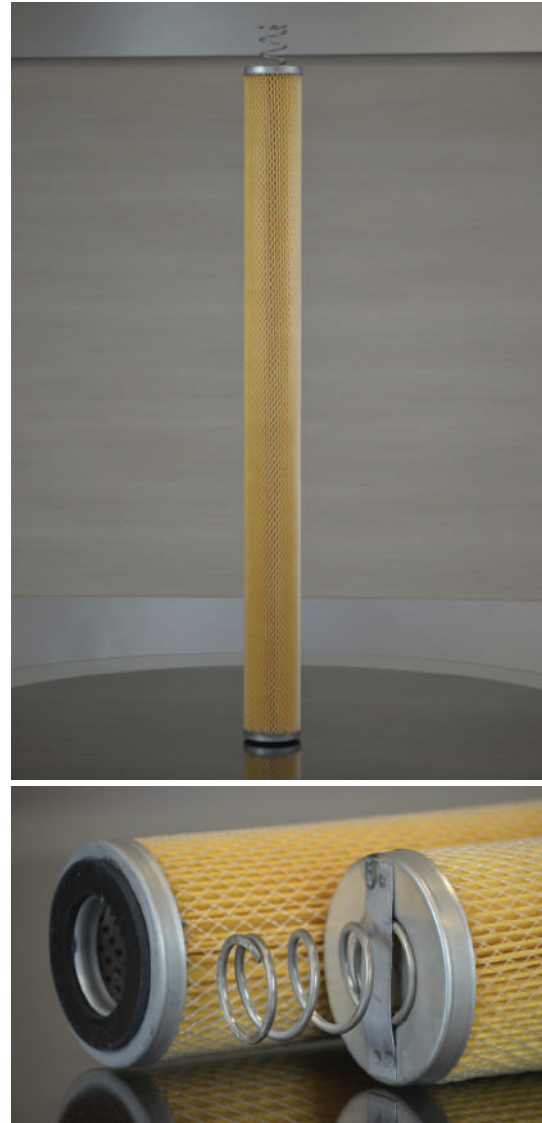
COST EFFECTIVE FILTRATION

HART ABP Series 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.

The HART ABP Series will fit all 336 style filter vessels in the market and provide absolute micron ratings between 0.5 to 100 micron. HART's superior methods of construction combined with excellent quality control, ensure that its ABP cartridges will provide quality filtration in difficult operating conditions.

BENEFITS

- Due to the surface area and dirt holding capacity of the ABP Series filters, they provide a significant cost savings compared to the conventional non-pleated string wound, depth and spun bonded 336 filters.
- Having the cap and spring as part of the element provides easy installation and extraction resulting in a more operator friendly element than standard double open ended cartridges.
- Gasket 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

- Amines, Glycols, Completion Fluids, Brines, Fuels, Waterflood, Produced Water, Disposal Water

DIMENSIONS

Outside Diameter: 3.00"
Inside Diameter: 1.5"
Length: 36.5"

MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, Micro-Fiberglass, Polyester, Nylon
Center Core: Tinned Steel
Netting: Polypropylene, Nylon, Polyester
End Caps: 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 18 ft² per filter

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

Recommended Flow Rate for
Optimal Dirt Loading:
8 GPM per filter

Maximum 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)* *Based on standard 36" filter element*

FILTER MODEL	0.5	2	5	10	20	40	70	100
Pounds of Solids	1.65	2.01	2.15	2.15	2.15	2.21	2.31	2.44

CLEAN PRESSURE DROP (PSID)*

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

ABP	—	10	—	C	3	3	B
ABSOLUTE SERIES		MICRON RATING		MEDIA	LENGTH	END CAP	GASKET
336 STYLE		@ 99.98%		C - Cellulose	3 - 36.5"	1 - DOE	B - Buna-N
		0.5 - 0.5 Micron		G - Glass		3 - SOE (STD)	E - EPDM
		02 - 2 Micron		*P - Polypropylene		(with spring)	V - Viton®
		05 - 5 Micron		R - Polyester			
		10 - 10 Micron		N - Nylon			
		20 - 20 Micron					
		40 - 40 Micron					
		70 - 70 Micron					
		100 - 100 Micron					

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

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