



EMAIL: FILTRATION@JOHNBROOKS.CA

HIGH CAPACITY 550 SERIES PLEATED BAG FILTERS

HC550-002-05-15

COST EFFECTIVE FILTRATION

HART introduces its new 550 Series High Capacity, pleated filter bag.

The unique design of this pleated bag provides a large effective filter surface area within the space constraints of a standard basket. Dirt holding capacity is maximized by pleating several different filter media together in a single pleat pack. One 550 Series High Capacity bag, holds significantly more dirt than the typical 500 Series bag.

The HART High Capacity bag is designed to fit inside existing baskets without housing modification.

BENEFITS

- Provides significantly greater dirt holding than non-pleated felt and high efficiency bag filters.
- Custom molded seal to ensure positive capture of contaminants.
- Simple installation into existing equipment without equipment modification.
- Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications.
- Superior methods of construction combined with excellent quality control, ensure HART High Capacity cartridges will provide quality filtration in difficult operating conditions.

COMMON APPLICATIONS

- Water and Wastewater, Process Fluids, Acids, Bases, Amines, Glycols, Brines, Machine Coolants

DIMENSIONS

Outside Diameter: 6.25"
Inside Diameter: 3.00"
Length: 20"



MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene
Center Core: Polypropylene
Netting: Polypropylene
End Caps: Polypropylene
Seal Material: EPDM

PRODUCT SPECIFICATIONS

Micron Ratings @ 99.00% (beta 100):
2, 5, 15, 50, 100 Micron

Surface Area:
32 ft² per filter element

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: 25 PSID

MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	552	555	557	558	559
99.00% (beta 100)	2	5	15	50	100

DIRT HOLDING CAPACITY (LBS)* Per filter element

FILTER MODEL	552	555	557	558	559
Pounds of Solids	3.4	4.5	4.9	5.0	5.3

CLEAN PRESSURE DROP (PSID)* Per filter element

FILTER MODEL	552	555	557	558	559
PSID @ 20 GPM	0.13	0.11	0.10	0.10	0.10
PSID @ 30 GPM	0.25	0.23	0.20	0.17	0.16
PSID @ 40 GPM	0.32	0.31	0.28	0.26	0.24
PSID @ 50 GPM	0.49	0.47	0.40	0.36	0.30

CARTRIDGE CODING

HC	552	P	20	U
HIGH CAPACITY SERIES	MICRON RATING @ 99.00%	MEDIA * P - Polypropylene	LENGTH 20 - 20"	CAP STYLE U - Universal
	552 - 2 Micron 555 - 5 Micron 557 - 15 Micron 558 - 50 Micron 559 - 100 Micron			

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

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