

# Hall Pyke



**Surface Pre Filtration**  
**Pleated High-Flow**  
**Cartridges For Bag**  
**Filter Housing**

**The SMART choice for filtration**

## Pleated High-Flow Cartridges For Bag Filter Housing

### Characteristics:

- Multiple pleated layers construction
- High filtration area
- High flow-rate
- High dirt holding capacity
- Filtration direction from in to out
- Sealing gasket suitable for the majority of bag filter housings
- Inner core for high mechanical strength
- Outer cage to protect the pleated media
- Designed to fit in bag filter housing size 1 and 2
- No fibre releasing
- Wide range chemical compatibility
- Polypropylene hardware
- Fusion bonding assembly
- Four different filter media available
- FDA approved materials (only for full polypropylene model)
- 1935/2004/CE certification available upon request (only PP version)
- Absolute filtration rating from 0.6 to 80  $\mu\text{m}$

### Max. Working Temperature

80 °C

### Differential Pressure

Cartridge replacement	2.0 bar @ 50 °C
Max. allowable:	2.4 bar @ 20 °C
	1.8 bar @ 50 °C

### Materials of Construction

Filter media	• Polypropylene	• Fiberglass
	• Polyester	• Polypropylene melt-blown

### Hardware:

- Polypropylene

### Gaskets:

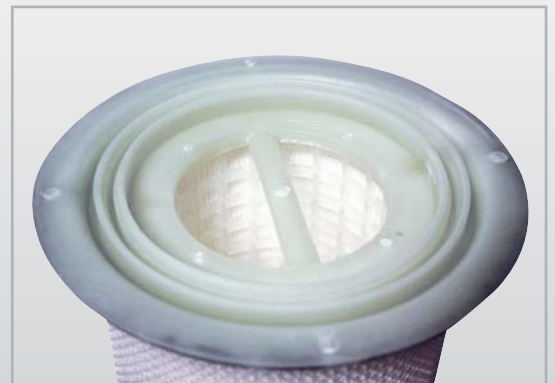
- Buna-n
- EPDM (standard)
- Viton
- Silicone

### DIMENSIONS

External diameter	6" (152 mm)
Length:	Size 1
	Size 2

### FILTERING AREA

Pleated standard	Size 1: 2.0 m <sup>2</sup>	Size 2: 4.1 m <sup>2</sup>
Pleated depth	Size 1: 0.7 m <sup>2</sup>	Size 2: 2.0 m <sup>2</sup>
Melt-blown	Size 1: 0.13 m <sup>2</sup>	Size 2: 0.32 m <sup>2</sup>



## Pleated High-Flow Cartridges For Bag Filter Housing continued...

### Flow-rate / Delta-P data - DHC:

Micron (µm)	Polypropylene	
	Size 1	Size 2
0.6	3	6
1	3.6	7.2
3	8.7	17.4
5	13.2	26.4
10	18	36
25	21	40
≥50	30	40

Glass Fibre	
Size 1	Size 2
9	18
15	30
17	32
20	40
27	40
31.5	40
40	40

Melt-blown	
Size 1	Size 2
n.a.	n.a.
n.a.	n.a.
4	8
8	16
9.5	19
12	24
18	36

DHC	
Size 1	Size 2
1150	2350
1250	2500
1300	2600
1300	2600
1350	2700
1450	2900
1650	3300

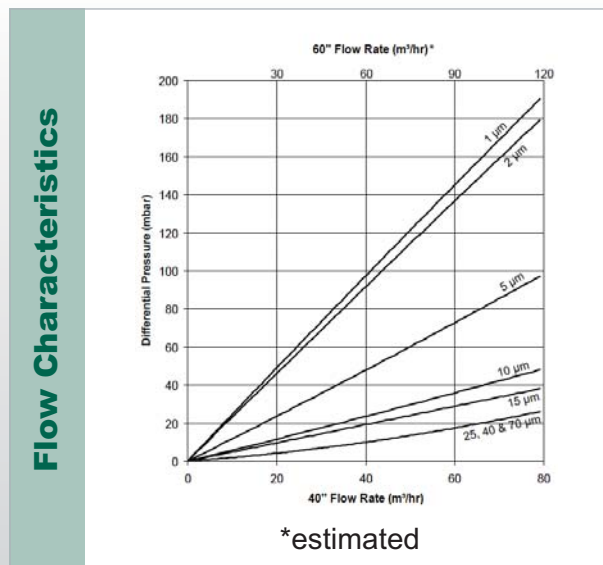
Liquids flow-rate(m<sup>3</sup>/h) - Initial Delta-P 0.1 bar - DHC (gr).  
 For liquids different than water, multiply Delta-P by viscosity.  
 Flow-rate valid for clean water, reduce the flow-rate according to the application.

### Filtration efficiency/ Filtration rating availability:

(µm)	Efficiency			
	Pleated		Melt-blown	
	99.98%	90%	99.98%	90%
0.6	0.6 µm	0.25 µm	n.a.	n.a.
1	1 µm	0.45 µm	1 µm	0.6 µm
3	3 µm	0.80 µm	3 µm	1 µm
5	5 µm	2.0 µm	5 µm	3 µm
10	10 µm	4.5 µm	10 µm	5 µm
25	25 µm	10 µm	25 µm	10 µm
50	50 µm	25 µm	50 µm	30 µm
80	80 µm	60 µm	80 µm	55 µm

Filtration efficiency for liquids defined with Multipass ISO 4572 test

Filter media	Filtration rating (µm)							
	0.6	1	3	5	10	25	50	80
Polypropylene	X	X	X	X	X	X	X	X
Fiberglass	X	X	X	X	X	X		
Polyester			X	X	X	X	X	X
Melt-blown		X	X	X	X	X	X	X



# Hall Pyke



[www.hallpyke.ie](http://www.hallpyke.ie)

Head Office, 3A Sunbury Industrial Estate, Ballymount Road, Walkinstown, Dublin 12.  
T. +353-1-4501411 F. +353-1-4507960 E. [info@hallpyke.ie](mailto:info@hallpyke.ie) W. [www.hallpyke.ie](http://www.hallpyke.ie)