

## Pleated Filter Discs



Pleated filter discs, also called extended area screen, are designed to provide a compact, lightweight element for reliable economical filtration protection in various critical areas of a system to remove contaminants which might otherwise clog or damage control components.

Pleated filter discs are made from stainless steel wire mesh or other alloy mesh to form a solid single or multiple layers structure. And you can customize various types of pleated filter screens that meet applications.

Featured with large filter area and good hardness, pleated extruder screen can give long services for extruder and filter industries. Even in high temperature or high pressure, it also can ensure materials purity.

### Features

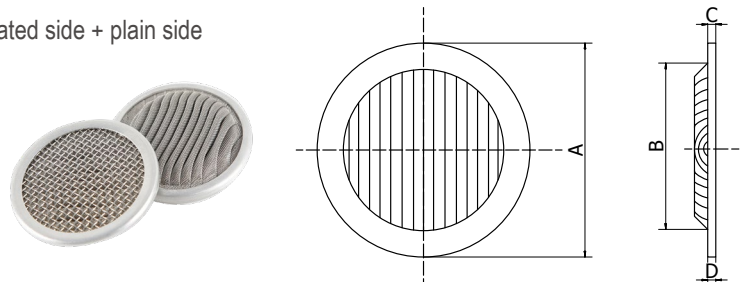
- Large dirt holding capacity.
- can be reused and is easy to clean.
- Good resistance to high temperature and corrosion.

### Applications

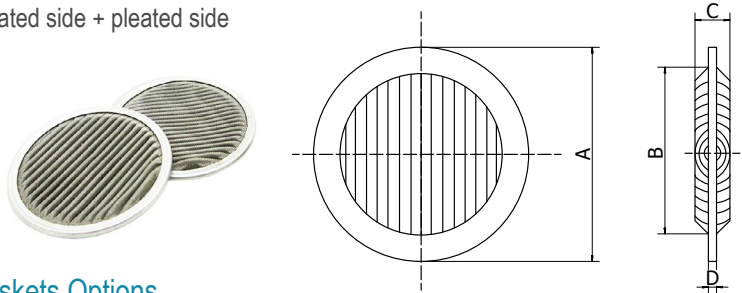
Pleated filter discs show their excellent filter abilities for high polymer melts, such as chemical fiber, molten glass, ceramics. They are widely used in petrochemical, metallurgy, medicine industries.

### Structure Options

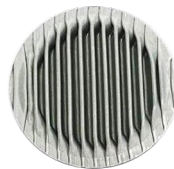
Pleated side + plain side



Pleated side + pleated side



### Gaskets Options



Without gaskets



With gaskets

### Sealing Ring Options

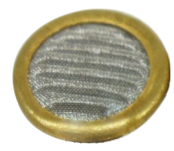
- S - Stainless Steel
- C - Copper
- B - Brass
- M - Teflon
- L - Buna
- N - Viton



Stainless steel gaskets



Copper gaskets



Brass gaskets

### Specifications

- Material: stainless steel.
- Diameter: .375" to 1.375".
- Micron range: 2X to 200  $\mu\text{m}$ .

### How to Order

For Example: **BPD-1-5**

- 5 - Filter Micron
- 1 - Item

BPD stands for model, Boegger Pleated Discs

(unit:  $\mu\text{m}$ )

Item	Dimensions				Effective Area in <sup>2</sup>
	A $\pm .005"$	B $\pm .015"$	C $\pm .015"$	D $\pm .015"$	
1	.375	.300	.100	.030	.22
2	.500	.420	.150	.040	.66
3	.625	.490	.170	.060	1.00
4	.750	.615	.170	.060	1.60
5	1.000	.875	.170	.060	3.30
6	1.375	1.250	.170	.060	6.60

**Note:**  
 A - O.D. (Outer Diameter)  
 B - I.D. (Inner Diameter)  
 C - Overall Thickness  
 D - Boarder Thickness

Filter Micron	Nominal	Absolute
2X	2	10
2	2	15
5	5	20
10	10	25
20	20	40
40	40	75
75	75	100
100	100	150
200	200	300

Micron rating is based on retention of particles whose two smallest dimensions exceed the specified rating.

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