



Dual Flow Filter Bag

Our Dual Flow filter bag upgraded based on traditional standard filter bag. Fully welded or Stitched an inner filter bag together with the traditional standard filter bag. When liquid flows into dual filter bag, it can filter the liquid from the traditional standard filter bag outward and from the inner filter bag inward, so as to filter liquid from the filter bag inward and outward, that is called Dual-flow.

Compared with the traditional standard filter bag, filtration area of our Dual Flow filter bag increased by 75%~80% for longer service life and fewer filter change-outs; Amount of contaminants collected increased significantly; Double filtration efficiency; The service life of Dual-filter bag is more than 1 times that traditional standard filter bag, maximum up to 5 times; The filtration cost is reduced by several times.

Our Dual Flow filter bag is applicable to all traditional bag type liquid filter housing. It can be used by simply upgrading the traditional filter basket, only welded an inner basket into traditional filter basket.

Ordering Information

Sample Part Number

DFPO-100-P02E

DFPO

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100

-

P02

-

E

Bag Material

Micron Rating

Bag Size

Ring/Collar Style

Bag Material	Micron Rating	Bag Size	Ring/Collar Style
DFPO = Polypropylene	0.2, 0.5, 1, 5,	P02 = Ø182*750mm	E = Polypropylene
DFPE = Polyester	10, 25, 50,		H = Polyethylene
DFPOXL = Extended Life PO	75, 100, 125,		T = Polyester
DFPEXL = Extended Life PE	150, 200, 300,		N = Nylon
DFNMO = Nylon mesh	400, 600, 800,		S = Zinc Coated Ring
DFLCR = Oil adsorption	1000, 1200 µm		A = Stainless Steel 304

Simply Upgrading

Simply remove the existing filter basket, and replace it with a Dual Flow Basket.

Dual Flow Filter Basket

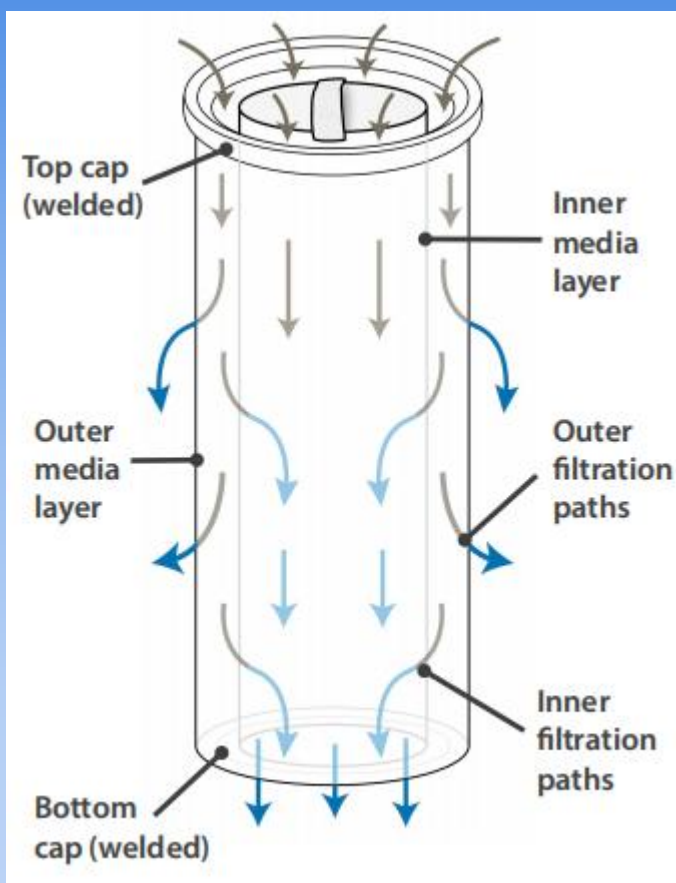
- Dual Flow baskets are suitable to traditional common housings
- Material: SS304, SS316



Easy Filter Installation

Dual flow filter bags easily slides into the support filter basket.

Flow Paths



Dual Flow Filter Bag Feature

Excellent Flow Characteristics

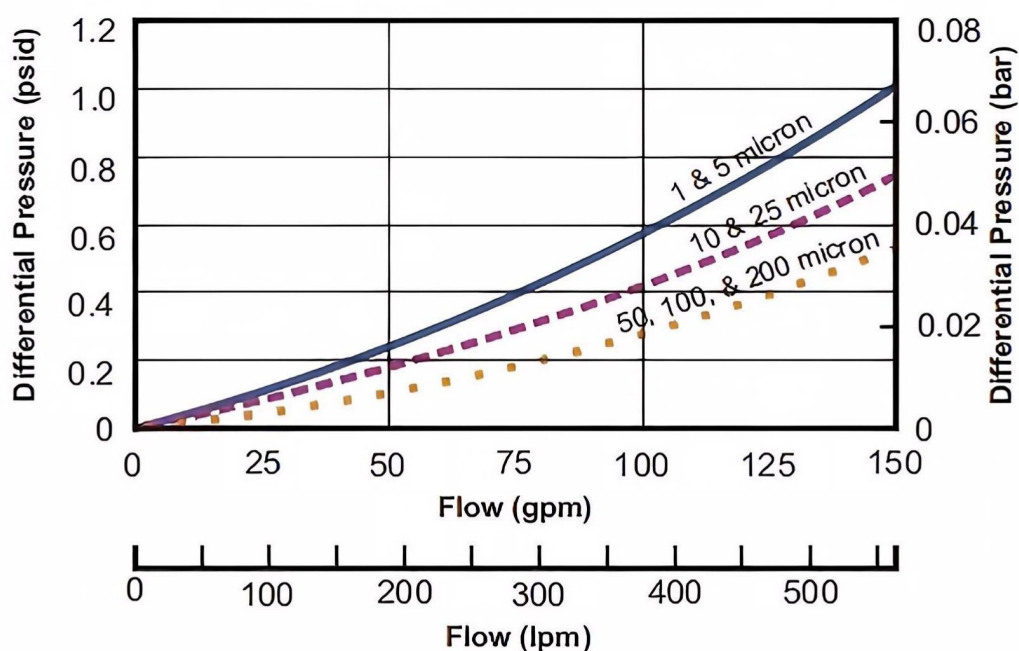


- Dual directional flow, both inner and outer bags participate in filtration simultaneously, so that flow rate can be doubled.
- Reduce bag numbers of multi-bag housings when design new bag filtration systems, smaller, less costly housings can be used.
- Maintain a low differential pressure level to ensure maximum utilization of filter surface.
- Improved filtration speed and increased customer productivity

Increased Surface Area	75%~80% more media than standard size filter bag
Large Contaminant Retention	Amount of contaminants collected increased significantly
Long Service Life	2-5 times the dirt holding capacity of a standard size filter bag, at least double longer service life and less changing out
Reduced Hold-up Volume	Two-cylinder design retains less fluid for easier change-outs A 67% reduction in hold-up volume significantly decreases lost product and disposal costs.
Wide Compatibility	All ordinary filter bags can be simply upgraded to Dual Flow filter bags by fitted with a compatible Dual Flow basket to reduce running costs for existing systems.



Filter Differential Pressure vs. Flow Characteristic Curve



Operation Parameters

Filter Media	Size No.	Diameter	Length	Flow Rate	Max. Service Temperature	Max. Differential Pressure	Suggested D/P of bag change- out
Polypropylene	# 01	182mm	360mm	28~34 m ³ /h	80°C	2.4 bar	0.8-1.5 bar
Polypropylene	# 02	182mm	750mm	55~68 m ³ /h	80°C	2.4 bar	0.8-1.5 bar

Filter Media Micron Rating Range

Material	Micron Retention Ratings Available (nominal)																	
	Filter efficiency is between 50% and 95% depending on micron rating.																	
	0.2	0.5	1	5	10	25	50	75	100	150	200	250	300	400	600	800	1000	1200
PO Polypropylene	•	•	•	•	•	•	•	•	•	•	•	•	•					
PE Polyester		•	•	•	•	•	•	•	•	•	•							
POXL Polypropylene Extended Life	•	•	•	•	•	•	•	•	•	•	•							
PEXL Polyester Extended Life		•	•	•	•	•	•	•	•	•	•							
NMO Nylon Monofilament mesh				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•