

# DFG High Efficiency Filter Bag

## Introduction

DFG Series is composed of two cylinders welded into a filter bag, which has a graded porosity media structure and increased filter surface area. By collocating with support basket makes the filtration process smooth and high efficient.

## Design

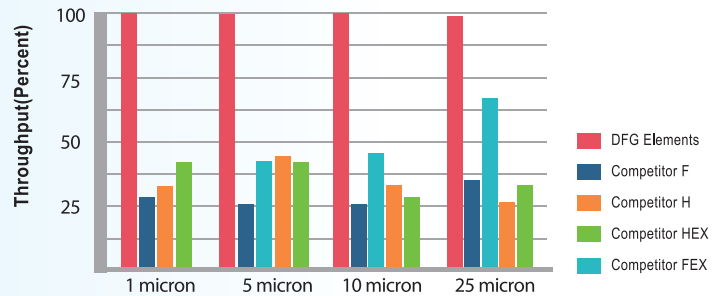
- ◇ Multilayer media with stepwise design
- ◇ DFG Series consists of two layers, the inner layer is responsible for removing larger contaminants while the outer layer is able to remove the finer particles.
- ◇ Greater particle holding capacity and longer service life than single layer media

## Benefits

- ◇ Reduces 67% hold-up volume and decreases production loss and disposal cost
- ◇ Easily retrofits standard bag filter housings by replacing the support basket
- ◇ Used element retains less fluid, making it lighter weight for easier removal
- ◇ Increased filtration area for additional 30%

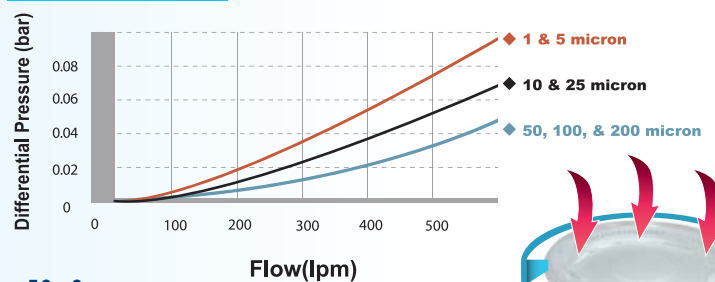
## Features

- ◇ High flow rate, low pressure drop, high loading capacity and long service life
- ◇ Additional 66% filtration area by unique flowing route
- ◇ Great seal tightness to prevent bypass
- ◇ Welded joint, eliminate fiber loose
- ◇ FDA compliant to CFR 21
- ◇ Silicone free



Service life comparison for DFG elements and conventional bag filters (polypropylene media)

## Flow Rate



## Specification and Operating Condition

Material	PP (Polypropylene)	Polyester
Micron rating	1, 5, 10, 25, 50, 100, 200 Micron	
Size of filter bag	size 1 7"×14.3" (17.8×36.3cm) 、 size 2 7"×27.8" (17.8×70.6cm)	
Filtration area (m <sup>2</sup> )	0.36	0.66
Maximum operating temperature (°F/°C)	180/82	300 / 149
Recommended maximum operating flow rate (gpm/Lpm)	17	34
Maximum operating pressure drop	35 psid @ 68 °F (2.4 bar @ 20 °C)	
Recommended replaceable pressure drop	1.5 kg/cm <sup>2</sup>	

## Product Code

**DFG**

**PE**

**010**

**P1**

**D**

**L**



### Material

PO : Polypropylene  
PE : Polyester

### Micron Rate

001 : 1um  
005 : 10um  
025 : 25um  
050 : 50um  
100 : 100um  
200 : 200um  
others

### Collar Type

P1 : size 1  
P2 : size 2

### Collar Type

D : special seal (material:PP)  
DH : with hole

### Manufacture Type

L : All welded