

# HDFG High Efficiency Filter Bag

## Introduction

HDFG Series is a new model of high-efficiency filter bag by collocating with support basket. It combines both bag and cartridge filters into one single filtration element and with a special structure to achieve separation and purification. It has a true graded pore medium structure and extended service life. The diameter of the cylinder is the same size as a standard filter bag, and it's easy to retrofit into existing systems. As long as the filter basket is replaced, there is no need to change the filter housing.

## Design

- ◇ HDFG Series is designed by two concentric circles, cloth is comprised of extended life span and high quality filter media.
- ◇ Greater particle holding capacity and longer service life than single layer media.

## Benefits

- ◇ Easily retrofits standard bag filter housings by replacing the support basket.
- ◇ Used element retains less fluid, making it lighter weight for easier removal.
- ◇ Longer life span, extended changing cycles, reduced operating costs.

## Specification and Operating Condition

Material	PP (Polypropylene)	PE (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> )	0.7m <sup>2</sup>	
Maximum operating temperature (°F/°C)	194°F / 90°C	302°F / 150°C
Recommended maximum operating flow rate (gpm/Lpm)	17	34
Maximum operating pressure drop	36.2 psi (2.5 bar)	
Recommended replaceable pressure drop	11.6 – 21.7 psi (0.8 – 1.5 bar)	

## Product Code

**HDFG**

**PE**

Material

PO : Polypropylene  
PE : Polyester  
POXL : Polypropylene  
PEXL : Polyester

**010**

Micron Rate

001 : 1um  
005 : 5um  
010 : 10um  
025 : 25um  
050 : 50um  
100 : 100um  
200 : 200um  
others

**P2**

Size

P1 : size 1  
P2 : size 2

**GP**

Collar Type

◇ Material : PP  
FP : F type  
GP : G type  
◇ Material : Nylon  
FN : F type  
GN : G type  
◇ Material : Santoprene  
FE : F type  
GE : G type

**L**

Manufacture Type

L : All welded



## Advantages and Features

- ◇ High flow rate, low pressure drop, high loading capacity and long service life.
- ◇ Additional 65% filtration area by unique flowing route.
- ◇ Great seal tightness to prevent bypass.
- ◇ Welded joint, eliminate fiber loose.
- ◇ FDA compliant to CFR 21.
- ◇ Silicone free.

## Flow Rate

