

# Fluxflo Range of Filter Bags

## Main Features

- Available in particle removal ratings from 1 to 1000 microns
  - Available in 4 sizes to fit the housings of most filter manufacturers
  - Available in 6 different material: polypropylene, polyester, nylon, wool, Nomex® and PTFE.
- Three different types of sealing:
- Sewn with metalling ring for standard applications
  - Thermowelded with molded ring to guarantee
  - High efficiency sealing
  - String for applications without filter housings



The range includes:

- "Silicon-free felt filter bags
- Monofilament mesh filter bags
- Multifilament mesh filter bags
- High dirty capacity "extended life" felt filter bags
- High efficiency microfibrils filter bags
- Filter bags certified for application in Pharmaceutical and Food & Beverage industries
- Absolute polypropylene bags

## Applications

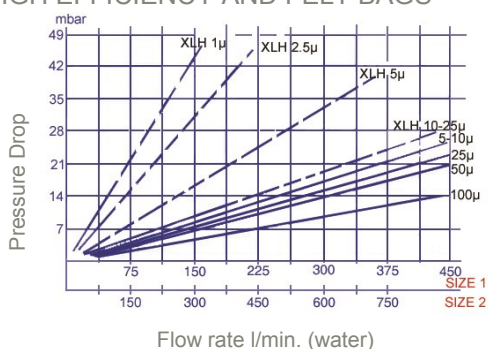
Paints, enamels, solvents	Resins
Colloids removal	Inks
Magnetic coatings	Detergents
Intermediate chemicals	Sugar solutions
Food & Beverage filtration	Water process filtration
Oil removal from cataphoresis treatments	

## How the Bags Work

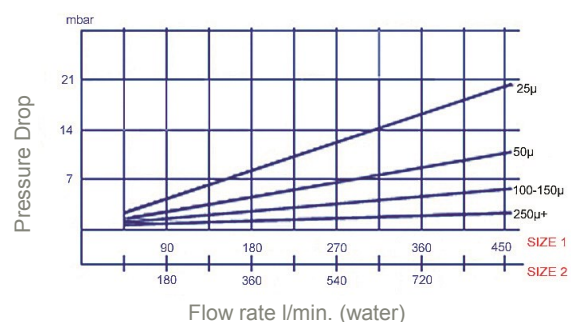
The bag is fitted in the restrainer. The sealing between the bag and basket is made by the bag hold-down ring. During the bags working life the pressure drop will grow up. The differential pressure between bag upstream and downstream is supported by the basket where the bag is fitted. The fluid flows through the bag from inside to outside. Bag filtration is defined as a surface one, even if for some products it can be defined both as surface and depth filtration.

## Flow Rate and Viscosity

### HIGH EFFICIENCY AND FELT BAGS



### MONOFILAMENT BAGS CORRECTION FACTORS

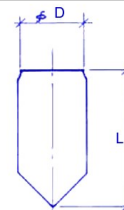


## Filter Housings

Single and multi bags housings manufactured by Flux Filtri can fit all filter bags.

- Housings series "FH" (see FH Bag Leaflet)
- Housings series "SC" (see SC Leaflet)

BAGS SIZE	Ø D cm	L cm
05	10.4	23
09	10.4	38
1	18	42
2	18	81



Viscosity cps	10.000	8.000	6.000	4.000	2.000	1.800	1.500	800	600	400	200	1
Correction factors	0.021	0.026	0.035	0.05	0.08	0.11	0.16	0.17	0.25	0.35	0.85	1

## Material Features

FILTER BAG MATERIALS	MAX. WORKING TEMPERATURE °C	APPLICATIONS							
		AROMATIC SOLVENTS	ALIPHATIC SOLVENTS	WATER SOLUTIONS	ACIDS	STRONG ACIDS	ALKALI	STRONG ALKALI	VEGETABLE AND ANIMAL OILS
POLYPROPYLENE	90		•	•	•	•	•	•	•
POLYESTER	150	•	•	•	•	•	•		•
NYLON	135	•	•	•			•	•	
WOOL	110	•	•	•	•				•
NOMEX®	220	•	•	•	•		•	•	•
PTFE	260			•	•	•	•		•

## Fluxflo Ordering Guide

<b>G</b>	<b>1</b>	<b>P</b>	<b>25</b>	<b>PO</b>	<p><b>Type and sealing material</b></p> <p>- = Galvanised steel ring                      P = Polypropylene ring                      S = Stainless Steel 316 ring                      PO = Molded in polypropylene                      SE = Molded with material compatible with filter media</p> <p><b>Filtration rating in micron</b></p> <p>Felt = 1-5-10-25-50-75-100-150-200                      Mesh = 25-50-80-100-125-150-200-250-400-600-800-1000                      *Extended life" Felt = 1-5-10-25-50-100                      High efficiency Microfibre (&gt; 95%)= 1-5-10-25                      Absolute microfibre polypropylene (99,98%) = 0.2-0.4-0.6-0.8-1-3-5</p> <p><b>Bag Material</b></p> <p>P = Polypropylene Felt                      PE = Polyester Felt                      N = Nylon Felt                      W = Wool                      NX = Nomex®                      T = PTFE</p> <p>NM = Mofilament Nylon mesh                      PRM = Monofilament Polypropylene mesh                      PEM = Monofilament Polyester mesh                      PEMU = Multi mesh Polyester                      OA = Oil adsorber</p> <p>PXLH = "Extended life" Polypropylene                      PEXLH = "Extended life" Polyester                      PMF = Polypropylene microfibre (efficiency &gt; 95%)                      PEMF = Polyester microfibre (efficiency &gt; 95%)</p>
<p><b>Bag size</b></p> <p>0.5      Surface area      0.09 m<sup>2</sup>                      0.9                                   0.18 m<sup>2</sup>                      1                                      0.26 m<sup>2</sup>                      2                                      0.49 m<sup>2</sup></p>					
<p><b>Sealing type</b></p> <p>G = ring                      L = without ring</p>					

**Ordering Guide Example: G-1-P-25**

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