



# FLUXA

Fluxa  
Filtri  
S.p.A.

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Fluxa Filtri has a 40 years experience in industrial filtration. Bag filters have been supplied for 40 years by Fluxa Filtri and they are, for many applications, a good alternative to cartridge filters. 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 microfibres filter bags
- Filter bags certified for application in Pharmaceutical and Food & Beverage industries
- Absolute polypropylene bags

## APPLICATIONS

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

## MAIN FEATURES

- Available particle removal ratings from 1 to 1000 micron
- Available in 4 sizes to fit the housings of most filter manufacturers
- Available 7 types of filtering media
- 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

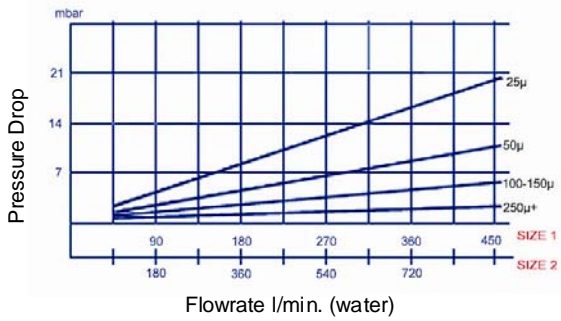
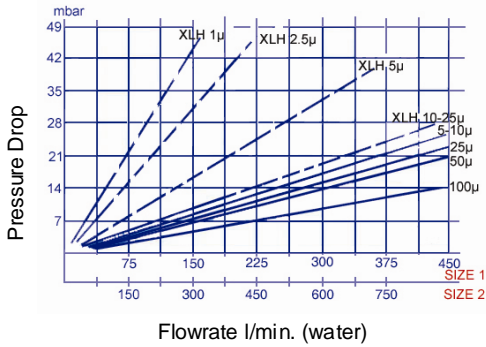
## HOW THE BAGS WORK

The bag is fitted in the restrainer. Sealing between bag and restrainer 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 restrainer 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

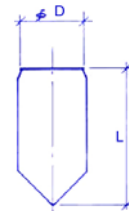


### FILTER HOUSINGS

Single and multi bags housings manufactured by Fluxa 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			•	•	•	•		•

### ORDERING CODE AND FILTRATION RATING

<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    NM = Monofilament Nylon mesh    PXLH = "Extended life" Polypropylene                      PE = Polyester Felt    PRM = Monofilament Polypropylene mesh    PEXLH = "Extended life" Polyester                      N = Nylon Felt    PEM = Monofilament Polyester mesh    PMF = Polypropylene microfibre (efficiency &gt; 95%)                      W = Wool    PEMU = Multi mesh Polyester    PEMF = Polyester microfibre (efficiency &gt; 95%)                      NX = Nomex®    OA = Oil adsorber    PMFA = Absolute polypropylene, efficiency 99.98% (β 5000)                      T = PTFE</p>																				
<p><b>Bag size</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 10%; text-align: center;">0.5</td> <td style="width: 30%; text-align: center;">Surface area</td> <td style="width: 30%; text-align: center;">0.09 m<sup>2</sup></td> </tr> <tr> <td></td> <td style="text-align: center;">0.9</td> <td></td> <td style="text-align: center;">0.18 m<sup>2</sup></td> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td></td> <td style="text-align: center;">0.26 m<sup>2</sup></td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td></td> <td style="text-align: center;">0.49 m<sup>2</sup></td> </tr> </table>						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>
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<p><b>Sealing type</b></p> <p>G = ring                      L = without ring</p>																				