



# OPTIBAG

## MULTI-LAYER HIGH EFFICIENCY FILTER BAG

HQ Optimal filter bags are designed to provide added strength and avoid risk of bypass. Manufactured under highly controlled manufacturing procedures to ensure consistent quality and minimize any possible contamination.

All seams are 100% welded, strong and flexible, allowing the filter bag to conform to the shape of the retainer basket creating support as differential pressure builds. Welded construction completely eliminates unfiltered liquid bypass from occurring due to needle holes.

All constituent materials conform to EC and FDA requirements for food and pharmaceutical contact applications.

Multi-layer unique range of absolute filter bags rated from 1 to 10 micron, which performs to an efficiency of 99%.

Manufactured with up to 11 layers of Polypropylene melt blown media construction, graded to give progressive finer filtration as the process liquid passes through the filter bag. This ensures that the dirt loading of fine particles is distributed effectively within the filter media.

A coarse melt blown prefilter layer is present, to give high dirt holding capacities and protection to the finer filtration layers, prolonging the filter bag lifetime.

### ADVANTAGE:

Higher dirt holding capacities.

Higher flow rates.

Lower initial pressure drops, resulting in longer service life.

Solids are collected inside the bag, leading to easier and quicker filter element disposal and less cleaning of filter housing.

Ease of handling leading to increased speed of changeout.

The result is high performance filter for the most critical process.

PARAMETERS	
	<b>SIZE 02</b>
<b>SIZE</b>	Ø 7x32" L (180 x 810mm)
<b>SEAL RING</b>	Welded Polypropylene
<b>RETENTION RATINGS</b>	1- 3 - 5 -10µm @ > 99% Efficiency
<b>MAX. OPERATING TEMPERATURE</b>	90 °C
<b>FILTRATION AREA</b>	0.48 m <sup>2</sup>
<b>MAXIMUM FLOW RATES</b>	15 m <sup>3</sup> /h
	<i>For liquids with a dynamic viscosity of 1 mPa @ 20°C</i>
<b>STARTING DIFFERENTIAL PRESSURE</b>	< 0.8 bar
<b>CHANGE-OUT PRESSURE FOR DISPOSAL</b>	0.8 - 1.5 bar <i>(dependent on the perspective applications and their requirements)</i>
<b>MAXIMUM DIFFERENTIAL PRESSURE</b>	2.5 bar
<b>NUMBER OF LAYERS</b>	5-11
<b>LAYER MATERIAL</b>	Melt blown Polypropylene
<b>COVER LAYERS</b>	Polypropylene mesh

CHEMICAL COMPATIBILITY				
FILTER MEDIA	ACIDS	BASES	SOLVENTS	OXIDIZING AGENTS
POLYPROPYLENE	Excellent	Excellent	Good	Excellent



### ORDERING INFORMATION

FB	ML			—		W	P
NAME	TYPE	LAYERS	SIZE		MICRON	CONSTRUCTION	RING
FB - Filter Bag	ML - Multi Layer	5	2		001 - 1µm	W - Welded	P - Plastic ring
		11			003 - 3µm		
					005 - 5µm		
					010 - 10µm		

DISTRIBUIDO POR:



Telf. 977 653135 – [info@multifiltra.com](mailto:info@multifiltra.com)  
[www.multifiltra.com](http://www.multifiltra.com)

