

# Disposable High Efficiency Filter Bags

HE filter bags have been designed to provide effective filtration for a wide range of applications using a variety of graded filter media.

HE bags utilise multi-layered polypropylene microfibre media with built in pre-filter layers. The progressive density depth filtration delivers high efficiency of up to 99.9% positive and controlled solids removal.\*<sup>1</sup>



The multi layered construction of the HE bag uses varying thickness of media to create a depth type filter with up to 12 different grades of material.

Two bag diameters are available in the HE range, 4¼" and 7" both fitted as standard with a top ring locator in various materials and styles.

## Product Features

- Polypropylene melt blown media, rated between 0.5 - 25µm
- High efficiency media for critical applications

All HE bags are designed to filter from the inside to out leaving the contamination inside the bag for simple disposal.

\*<sup>1</sup> Verified by independent laboratory testing using latex beads yielding efficiencies up to 99.9% under controlled laboratory conditions.



## Features and Benefits

- Micron ratings available from 0.5 to 25µm for wide ranging filtration needs
- Optional moulded polypropylene flange with handles for superior sealing and ease of handling
- Wide selection of filter media and support ring materials
- Identification supplied with every bag
- Silicone free for use in automotive paint applications
- FDA compliant material

## Industries and Applications

- |                        |   |
|------------------------|---|
| <b>Pharmaceutical</b>  | • Bulk transfer, Catalyst removal, Powder trap                                |
| <b>Cosmetics</b>       | • Creams, Lotions, Gels, Filling head trap filter                             |
| <b>Metal Finishing</b> | • Wash solutions, Paints, Resins, Varnishes                                   |
| <b>Water Treatment</b> | • Membrane protection (Reverse osmosis, nano), Resin trap, Potable water      |
| <b>Automotive</b>      | • Cooling fluid, Electrophoretic paints, Degreasing systems, Phosphate filter |

# HE Technical Data

## Maximum Operating Conditions

Temperature	19HE:	95°C
Recommended Maximum Differential Pressure:		4 Bar
Filtration Efficiency	0.5µm:	99.0%
	1µm:	99.0%
	5µm:	99.3%
	10µm:	99.8%
	25µm:	99.9%

Recommend that HE bags are changed at a differential pressure of 2.5 Bar in normal service - the operating condition above should be treated as a maximum differential pressure for short term use. Please note that operating temperatures greater than ambient will reduce the bags' ability to withstand differential pressure and that the bag should be used with caution at elevated temperatures.

## Dimensional Data

Bag Size	Length (mm)	Ring Diameter (mm)	Capacity (Litres)	Surface Area (m <sup>2</sup> )	Flow Rate (m <sup>3</sup> /hr) <sup>*2</sup>
1M (P3)	200	108	1.8	0.068	1
2M (P4)	355	108	3.2	0.120	2
1G (P1)	420	178	10.0	0.235	4
2G (P2)	810	178	20.0	0.453	8

<sup>\*2</sup>The flow rates quoted are our maximum recommended values for 5µm bag type based on water, or liquid of a similar viscosity at ambient temperature. For advice on the filtration of liquids with greater viscosities please contact our sales office.

Product validation guide available on request.

# Ordering Guide

19HE	025 -	2	G	T	E	P	
Media	Micron Rating	Length	Ring Type	Option 1	Option 2	Brand-ing	
19HE - High Efficiency Polypropylene Meltblown	000 - 0.5µm 001 - 1.0 005 - 5.0 010 - 10 025 - 25	1 - Single 2 - Double	M - 4.25" G - 7.00"	L - Zinc Plated Ring + Loops T - St.St (304) Ring + Loops Y - Polypropylene Moulded Sealing Flange	E - Standard (Silicone Free)  Other special options are available on request	P - Plain	