

# DUOLINE HE

AMAZON

## DISPOSABLE HIGH EFFICIENCY FILTER BAGS

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

**DuoLINE 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.

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

Amazon Filters manufacture a comprehensive range of filter housings for the **DuoLINE** bags. Available in many materials and sizes to suit all flow rates, please consult our sales office for further details of the full range.

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



**Multiple layers  
for effective  
progressive  
filtration**

## DUOLINE 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

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## TECHNICAL DATA

### Maximum Operating Conditions

Temperature 19HE: 80°C

Recommended Maximum Differential Pressure: 4 Bar

Filtration Efficiency

1µm:	99.0%
5µm:	99.3%
10µm:	99.8%
25µm:	99.9%

### Dimensional Data

Bag Size	Length (mm)	Ring Diameter (mm)	Capacity (Litres)	Surface Area (m <sup>2</sup> )	Flow Rate (m <sup>3</sup> /hr)*1
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

\*1The 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.

## INDUSTRIES AND APPLICATIONS

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

## AMAZON FILTERS LTD.

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