

DuoLINE HE

Disposable High Efficiency Filter Bags

DuoLine HE 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.*1



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.

*1 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

- | | |
|------------------------|---|
| 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 |

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DuoLine HE Technical Data

Maximum Operating Conditions

Temperature 19HE: 80°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%

Amazon Filters recommend that DuoLine 19 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 ²)	Flow Rate (m ³ /hr) ^{*2}
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

^{*2}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.

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