DUOLINE FELT



DISPOSABLE NEEDLEFELT FILTER BAGS

DUOLINE filter bags have been designed to provide effective filtration for a wide range of applications using a variety of filter media. Manufactured with welded seams, to provide greater security over the more common stitched alternatives.

DUOLINE PP, PE, NY and NX range filter bags adopt the use of needlefelt type media which provides both surface and depth filtration for maximum dirt capacity.

Product Features

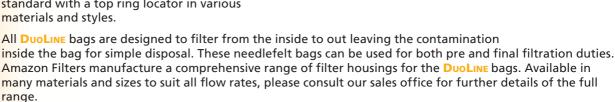
- Polypropylene, Polyester, Nylon and Nomex needlefelt media, rated between 1 - 200µm
- Wide chemical compatibility
- Double integral handles on all models
- FDA compliant material (PP Only)
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 (PP Only)

DUOLINE XP filter bags are designed to give longer service life, therefore reducing operating costs and process downtime. The XP bags greater depth provides additional void volume resulting in a greater dirt holding capacity resulting in a longer life over standard needlefelt materials of up to 2-5 times.

Product Features

- Polypropylene needlefelt media, rated
 1 100µm
- Double integral handles on all models
- Extended life
- FDA compliant material

Three bag diameters are available in the **DUOLINE** range, 4¼, 5½ and 7" all fitted as standard with a top ring locator in various materials and styles.





DUOLINE FEATURES AND BENEFITS

- Micron ratings available from 1 to 200µm for wide ranging filtration needs
- Optional moulded polypropylene flange with handles for superior sealing and ease of handling
- Welded Needlefelt as standard for 4¼ and 7" ring sizes
- Wide selection of filter media and support ring materials
- Identification supplied with every bag
- Silicone free for use in automotive paint applications

TECHNICAL DATA

Maximum Operating Conditions

Temperature 19PP: 95°C

> 19PE: 135°C*1 135°C*1 19NY: 190°C*1 19NX:

Recommended Maximum Differential Pressure: 4 Bar

Amazon Filters recommend that DuoLine Needlefelt bags are changed at a differential pressure of 1.5 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.

^{*1} Bags adopting the use of a polypropylene sealing flange have a maximum operating temperature of 95°C.

Bag Size	Length (mm)	Ring Diameter (mm)	Capacity (Litres)	Surface Area (m²)	Flow Rate (m³/hr)*2
1M (P3)	200	108	1.8	0.068	3
2M (P4)	355	108	3.2	0.120	6
1A	420	140	6.4	0.185	9
2A	810	140	12.5	0.356	18
3A	1220	140	19.0	0.536	28
1G (P1)	420	178	10.0	0.235	12
2G (P2)	810	178	20.0	0.453	25
3G	1220	178	30.0	0.682	40

^{*}The flow rates quoted are our maximum recommended values for each 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.

RDERING GUIDE

MEDIA
PP - Polypropylene
Needlefelt
PE - Polyester
Needlefelt
NY - Nylon
Needlefelt
NX - Nomex
Needlefelt
XP - Extended Life

polypropylene*3

IVIICRON KATI
001 - 1.0µm
005 - 5.0
010 - 10
025 - 25
050 - 50
100 - 100
200 - 200

LENGTH
1 - Single
2 - Double
3 - Triple
(A & G type only)

ING TYPE	OPTION 1
- 4.25"	L - Zinc Plated Ring +
- 5.50"	Loops
- 7.00"	T - St.St Ring + Loops
	Y - Polypropylene
	moulded sealing
	flange
	(M & G type only)
	E - PE Ring (G type on
	J . J.

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	OPTION 2
	E - Standard
	(Silicone Free)
	Other special
	options are
	available on request
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All bags are available with an optional nylon monofilament outer support scrim - please refer to the Sales Office.

Example: 19PP025-2GTEP = Polypropylene needlefelt media, 25µm rating, Double length, 7" diameter, Stainless steel support ring with loops, Silicone free *3 Available with Y ring option on G size ring only

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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

Membrane protection (Reverse osmosis, nano), Resin trap, Potable water **Water Treatment Automotive** Cooling fluid, Electrophoretic paints, Degreasing systems, Phosphate filter

Chemical Bulk transfer lines, Tanker discharge and loading lines

Petrochemical Amine and Glycol systems, Bulk kerosene processing, Solvent transfer lines

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