

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)

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.

All **DuoLINE** bags are designed to filter from the inside to out leaving the contamination inside the bag for simple disposal. These needlefelt bags can be used for both pre and final filtration duties.

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.



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
	19NY:	135°C*1
	19NX:	190°C*1

Recommended Maximum Differential Pressure: 4 Bar

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

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	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

*2 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.

ORDERING GUIDE

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MEDIA	MICRON RATING	LENGTH	RING TYPE	OPTION 1	OPTION 2
PP - Polypropylene Needlefelt PE - Polyester Needlefelt NY - Nylon Needlefelt NX - Nomex Needlefelt XP - Extended Life polypropylene ^{*3}	001 - 1.0µm 005 - 5.0 010 - 10 025 - 25 050 - 50 100 - 100 200 - 200	1 - Single 2 - Double 3 - Triple (A & G type only)	M - 4.25" A - 5.50" G - 7.00"	L - Zinc Plated Ring + Loops T - St.St Ring + Loops Y - Polypropylene moulded sealing flange (M & G type only)	E - Standard (Silicone Free) Other special options are available on request

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

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
Chemical	• Bulk transfer lines, Tanker discharge and loading lines
Petrochemical	• Amine and Glycol systems, Bulk kerosene processing, Solvent transfer lines

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