

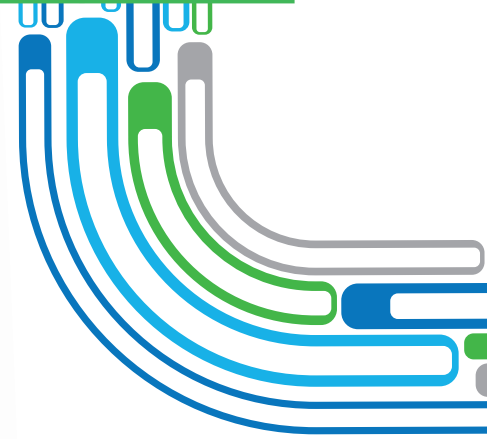
BETA NEEDLE FELT

FILTER BAGS
SIZE
1, 2, 3, 4, 5



BÈTA

industrie



BÈTA Needle felt filter bags are made of single layer needle felt with outside glazed to minimize fibre migration.

Years of experience and development have resulted in an optimized dirt hold capacity and a consistent and reliable filtration efficiency.

The BÈTA needle felt filter bags are available in several materials in order to ensure chemical compatibility and optimal filtration for each application.

FEATURES & BENEFITS

- DEPTH CHARACTERISTICS GRADED DENSITY
- AVAILABLE IN SEVERAL MATERIALS FOR CHEMICAL COMPATIBILITY
- HIGH DIRT HOLDING CAPACITY
- FLOW INSIDE TO OUT
- VERY SUITABLE FOR VISCOUS MEDIA
- WIDE RANGE OF REMOVAL RATINGS
- HIGH FLOW RATE LOW PRESSURED DROP
- CONTAMINATION RETAINED INSIDE THE DEPTH OF THE BAG
- WILL FIT MOST STANDARD FILTER HOUSINGS
- LOW DISPOSAL COSTS
- FDA/FOODGRADE OPTIONS ARE AVAILABLE

APPLICATIONS

VISCOUS FLUIDS

BATCH PROCESSES

AUTOMOTIVE

HEATING SYSTEMS, BY-PASS
FILTRATION

COATINGS AND PAINTS

CHEMICALS

EDIBLE OILS

PHARMACEUTICAL

FOOD & BEVERAGES

E-COAT AND TOPCOATING

ACIDS, BASES

LUBRICANTS

COMPLETION FLUIDS

INKS & COATINGS

BÈTA INDUSTRIE SPECIALIST IN PROCESS SPECIFIC APPLICATIONS

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TECHNICAL DATA

FILTER MEDIA

- Polypropylene
- Polyester
- Nylon
- PPS
- Cotton
- PTFE

RING MATERIAL:

- Polypropylene
- Tinned steel,
- Stainless steel
- Polyester
- Nylon

SIZE:

- Size 1:** Diameter 7" x 17" (178 x 419 mm) – Filtration Area 0,21 m²
- Size 2:** Diameter 7" x 32" (178 x 813 mm) – Filtration Area 0,45 m²
- Size 3:** Diameter 4" x 8" (102 x 203 mm) – Filtration Area 0,06 m²
- Size 4:** Diameter 4" x 14" (102 x 356 mm) – Filtration Area 0,11 m²

- Size 5:** Diameter 6" x 20" (150 x 510 mm) – Filtration Area 0,21 m²
- Duplo:** Diameter 7" x 64" (178 x 1595 mm) – Filtration Area 0,85 m²

Special sizes upon request.

SUGGESTED FLOW RATE (WATER 1 CPS):

- Size 1:** 10 - 13 m³/h
- Size 2:** 20 - 25 m³/h
- Size 3:** 3 - 6 m³/h
- Size 4:** 7 - 9 m³/h
- Size 5:** 9 - 12 m³/h

Exact recommendation based on application and micron rating.

MICRON RATINGS:

- 1, 3, 5, 10, 25, 50, 75, 100, 150, 200 micron nominal.

Maximum temperature & differential pressure depending on material (please consult BETA).

SPECIAL OPTIONS:

Multi-layer bags available.

PRESSURE DROP CURVE (FLOW@70 mbar clean dP)

Flow-rate / Delta-P data:

cP	Filtration rating (µm)						cP	Filtration rating (µm)					
	1	5	10	25	100	200		1	5	10	25	100	200
1	18.0	18.0	18.0	18.0	18.0	18.0	500	0.64	1.16	1.70	2.95	4.01	5.00
20	11.3	18.0	18.0	18.0	18.0	18.0	800	0.45	0.82	1.25	2.04	2.95	3.86
30	7.72	14.5	18.0	18.0	18.0	18.0	1000	0.39	0.68	1.02	1.66	2.27	3.41
40	6.13	10.9	15.9	18.0	18.0	18.0	1500	0.30	0.52	0.73	1.20	1.59	2.16
60	4.77	9.08	13.6	18.0	18.0	18.0	2000	0.20	0.40	0.57	0.86	1.25	1.64
80	3.86	6.81	10.2	17.0	18.0	18.0	4000	0.14	0.27	0.36	0.61	0.79	1.09
100	3.18	5.45	7.72	12.5	18.0	18.0	6000	0.09	0.18	0.27	0.43	0.59	0.77
200	1.48	2.95	4.09	6.81	9.54	12.5	8000	0.07	0.13	0.19	0.32	0.41	0.57
400	0.84	1.57	2.72	4.01	5.68	7.04	10000	0.06	0.10	0.16	0.27	0.36	0.48

Liquids flow-rate (m³/h):

- Size 1 bags - Multiply flow-rate x 0.54 bar
- Size 2 bag - Initial Delta-P 0.07 bar

- Size 3 bags - Multiply flow-rate x 0.15 bar
- Size 4 bags - Multiply flow-rate x 0.23 bar
- Size 5 bags - Multiply flow-rate x 0.54 bar

Recommended:

- = Good ■ = Poor
- = Not recommended

ORDERING INFORMATION

PONG	Filtration rating	Size	Closure	Strap	Options	
PONG	100	P	2	P	R	H
Filter media	1 - 1 µm	250 - 250 µm	1 - Size 1	SS - Stainless steel	W - Welded (thermos seal) gasket	H - Handle
	5 - 5 µm	300 - 300 µm	2 - Size 2	S - Steel ring		
PONG - Polypropylene needle felt	10 - 10 µm	400 - 400 µm	3 - Size 3	P - PP click ring		
	25 - 25 µm	500 - 500 µm	4 - Size 4	K - Polyester ring		
PENG - Polyester needle felt	35 - 35 µm	600 - 600 µm	5 - Size 5	N - Nylon ring		
	50 - 50 µm	800 - 800 µm				
N - Nylon felt	75 - 75 µm	1000 - 1000 µm	Special sizes upon request			
	100 - 100 µm	1200 - 1200 µm				
monofilament PPS	125 - 125 µm					
? - Ryton needle felt	150 - 150 µm					
C - Cotton non woven	175 - 175 µm					
	200 - 200 µm					