

BEAFELT Felt filter bags

- Micron ratings from 1 to 200
- Materials suitable for contact with food according to (EC) and (EU) regulations
- Materials in accordance with FDA-CFR21
- Flamed outer surface to prevent fiber release
- Choice of metal ring tops or molded tops
- Handles on all bags for an easy use
- Special features and materials available



BEAFELT filter bags incorporate a felt filter media constructed using fibers (polypropylene or polyester), the combination of which allows for decreasing porosity, which determines the ability to accumulate larger impurities on the surface and perform depth filtration on finer ones. The felt also guarantees good mechanical resistance and retention capacity with low pressure drop. The use of polypropylene and polyester also guarantees good chemical compatibility, allowing Beafelt to be used in various industrial applications.

CHEMICAL COMPATIBILITY

	Polypropylene	Polyester
Alkaline substances	+++	-
Acidic substances	+++	+++
Oxidants	-	+++
Solvents	+	++

+++ Excellent | ++ Good | + Weak | - Not compatible

OPERATING CONDITIONS

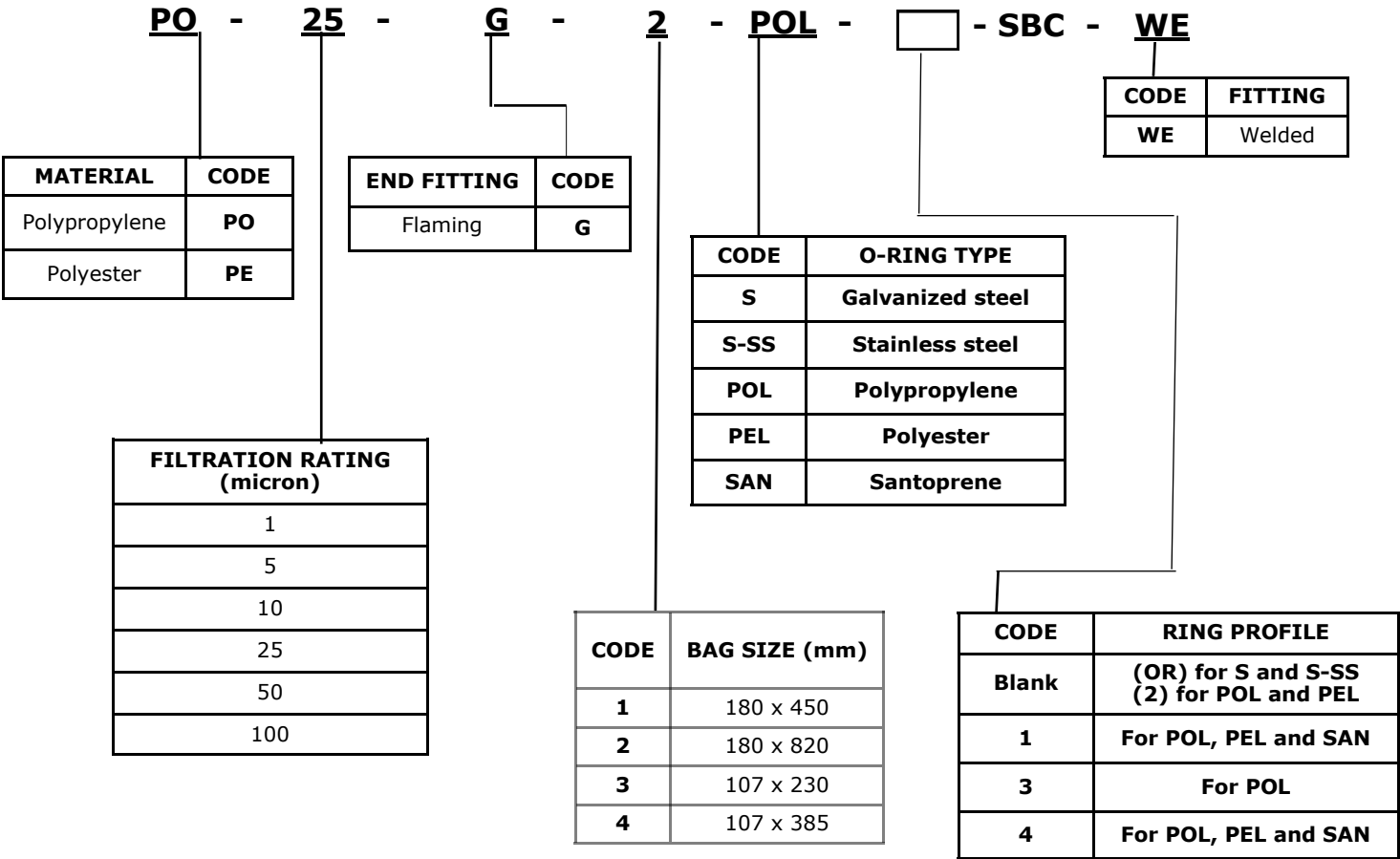
- max. continuous temperature	90°C Polypropylene / 140°C Polyester ***
- max. differential pressure	2,4 bar at 25°C
- recommended pressure drop for changeover	1,5 bar at 25 °C
- max. flow rate (for size 1)	20 m ³ /h

*** Note: The temperatures shown refer to the metal ring; for the plastic ring, do not exceed 90°C.

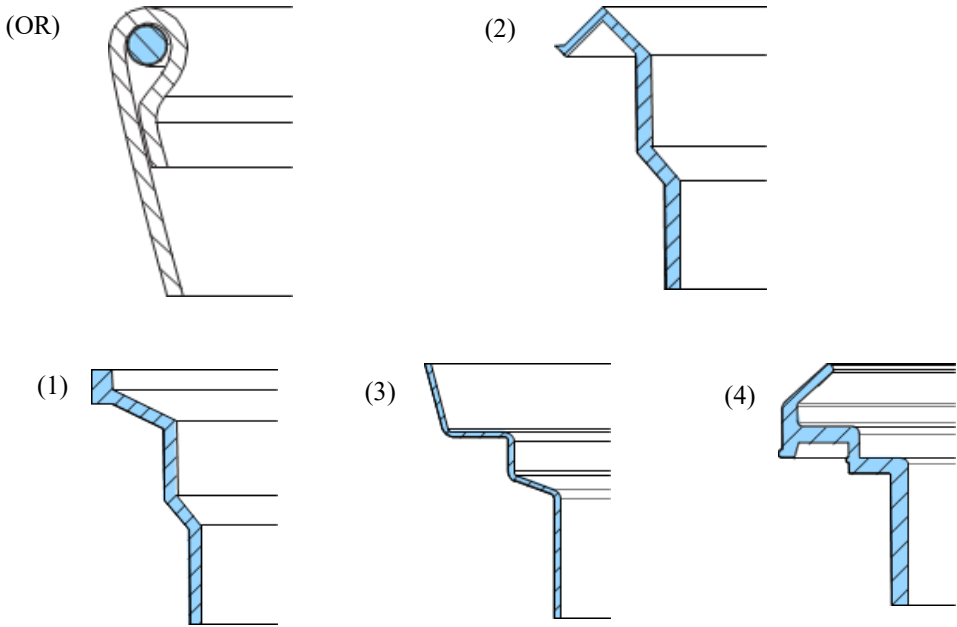
CONVERSION FACTORS FOR CALCULATING CAPACITY AND BAG SIZES

Size	Corrective factor	BAG SIZES	DIAMETER mm	LENGTH mm	VOLUME Litri	FILTRATION RATING cm ²
1	1	1	180	450	10	2600
2	1,7	2	180	820	19	4400
3	0,31	3	107	230	1,2	800
4	0,46	4	107	385	2,8	1200

BEAFELT ORDERING INFORMATION



RING PROFILES



FLOW RATE

		MICROMETRY (μ)					
		1	5	10	25	100	200
VISCOSITY (cP)	20	16,5					
	30	11,2	21,1				
	40	8,9	15,8	23,1			
	60	6,9	13,2	19,8			
	80	5,6	9,9	14,8	24,7		
	100	4,6	7,9	11,2	18,1	26,4	
	200	2,1	4,3	5,9	9,9	13,8	18,1
	400	1,2	2,3	3,3	5,9	8,2	10,2
	500	0,9	1,7	2,5	4,3	5,9	7,2
	800	0,7	1,2	1,8	3	4,3	5,6
	1000	0,6	1	1,5	2,4	3,3	4,9
	1500	0,4	0,8	1,1	1,7	2,3	3,1
	2000	0,3	0,6	0,8	1,3	1,8	2,4
	4000	0,2	0,4	0,5	0,9	1,2	1,6
	6000	0,1	0,3	0,4	0,6	0,9	1,1
	8000	0,1	0,2	0,3	0,5	0,6	0,8
	10000	0,1	0,1	0,2	0,4	0,5	0,7

The table shows the values of optimal flow rate, in m³/h, for SIZE 1 with pressure drop of 100 mbar.
For other size it is necessary to multiply the values for the corrective factors show in the table of page 1

Data contained in this bulletin are informative and subject to change without notice.
User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.



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