

Series PO-PE

FILTER BAGS

FELT

SIZE 1-2-3-4



MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESIN
- PHARMACEUTICAL
- MICROELECTRONIC
- GALVANIC
- GENERAL INDUSTRY

CHARACTERISTICS:

- Needle felt construction
- Fibre free surface treatment
- Silicon oil free
- Approved FDA material (*polypropylene and polyester*)
(*FDA 21 CFR 176.170 and FDA 21 CFR 177.1520© 3.2a*)
- 1935/2004/CE certification available upon request
- Fully thermo-welded construction
- Rounded bottom to fit perfectly in the restrainer basket
- All configurations supplied with handles for easy change out
- Material and filtration rating stamped on the filter media
- Polypropylene PolyformSEAL™ seal ring
- Stainless steel or tinned steel seal ring as option
- Available in seven different materials
- Filtration rating from 1 to 200 µm

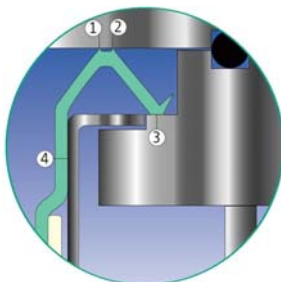
Rounded bottom:

Best fitting in the restrainer basket



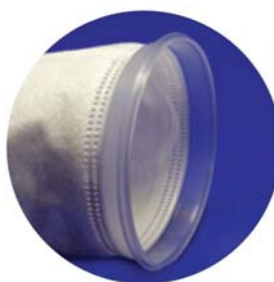
PolyformSEAL™ seal:

4 points positive seal for by-pass free filter bag



PolyformSEAL™ seal:

Thermo-welded seal ring for by-pass free filter bag



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Flow-rate / Delta-P data:

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

Zone	Recommended
Good	Good
Poor	Poor
Not recommended	Not recommended

TECHNICAL DATA

WORKING TEMPERATURE

- Polypropylene 93 °C
- Polyester 135 °C
- Nylon 135 °C
- Nomex 190 °C
- PTFE 260 °C

DIFFERENTIAL PRESSURE

- Filter bag replacement:
1.7 bar @ 25 °C
- Max. allowable:
3.5 bar @ 25 °C

CONSTRUCTION MATERIALS

- Polypropylene
- Polyester
- Polyester food grade
- Nylon
- Nomex (Aramide)
- PTFE

DIMENSIONS

- Size 1: Dia. 178 x L 419 mm
- Size 2: Dia. 178 x L 813 mm
- Size 3: Dia. 102 x L 203 mm
- Size 4: Dia. 102 x L 356 mm

FILTERING AREA

- Size 1: 0.23 m²
- Size 2: 0.45 m²
- Size 3: 0.06 m²
- Size 4: 0.11 m²

VOLUME

- Size 1: 6.8 liters
- Size 2: 15.1 liters
- Size 3: 1.3 liters
- Size 4: 2.3 liters

Liquids flow-rate (m³/h) - Size 1 bag - Initial Delta-P 0.07 bar.

For size 2 bags multiply flow-rate x 1.88.

For size 3 bags multiply flow-rate x 0.28.

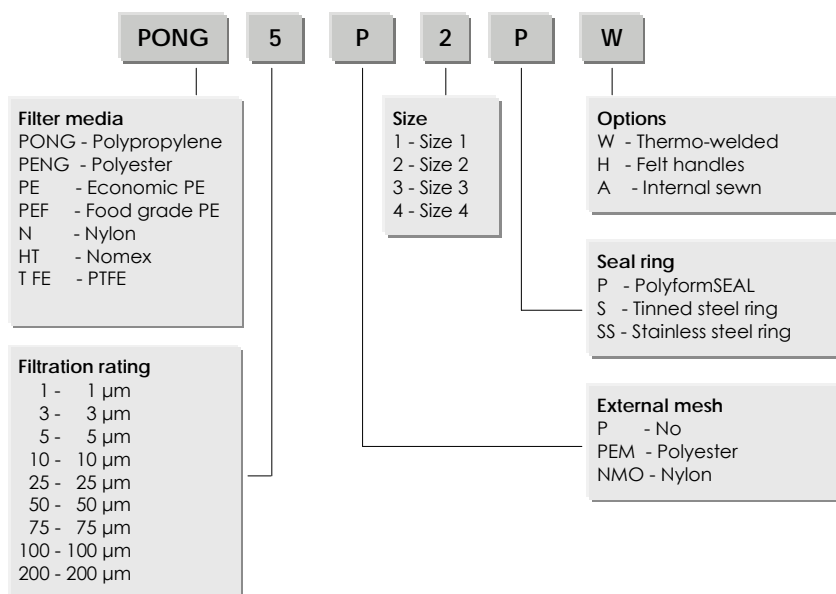
For size 4 bags multiply flow-rate x 0.44.

Flow-rate valid for clean liquids, reduce the flow-rate according to the application.

Available filtration rating:

- Polypropylene 1, 3, 5, 10, 25, 50, 100, 200 μm
- Polyester 1, 5, 10, 25, 50, 75, 100, 200 μm
- Nylon 5, 10, 25, 50, 100 μm
- Nomex (aramide) 1, 5, 10, 25, 50, 100 μm
- PTFE 10, 25, 50 μm

Ordering information:



We reserve the right to change the data of this specification without notice.

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