

W Series

DUPLO FILTER BAGS
INCREASED FILTER AREA
SIZE 22



CHARACTERISTICS:

- W style filter bag
- Designed to increase 40% at least the filtering area Without modification of the existing filter housings
- Reduced operating cost
- High dirt holding capacity
- Silicon oil free
- FDA approved materials (*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
- Cotton handles for easy removal from the restrainer
- Material and filtration rating stamped on the filter media
- Polypropylene PolyformSEAL™ seal ring
- Stainless steel or tinned steel seal ring as option
- Available with all type of felts, microfiber or nylon mesh
- Electropolished 316L SS restrainer basket

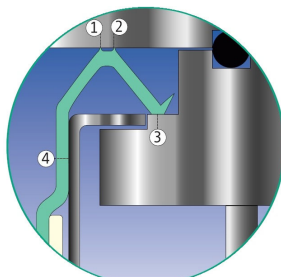
Restrainer basket:

Conical inner support for easy removal of the filter bag



PolyformSEAL™ seal:

4 points positive seal for by-pass free filter bags



Cotton handles:

Easy removal of the clogged filter bag



MAIN APPLICATIONS:

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

ASCO FILTRI

a **mott** company



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TECHNICAL DATA

WORKING TEMPERATURE

- Polypropylene 93 °C
- Polyester 135 °C
- Nylon 135 °C

DIFFERENTIAL PRESSURE

- Filter bag replacement:*
0.7 to 1.3 bar @ 25 °C
- Max. allowable:*
2.41 bar @ 25 °C

CONSTRUCTION MATERIAL

Felts:

- Polypropylene
- Polyester

Monofilament:

- Nylon

Microfiber:

- Polypropylene

DIMENSION

- Size 22: Ø 178 x L 813 mm
- Duplo design

FILTERING AREA

- Size 22: 0.7 m² (std W basket)
- 0.9 m² (W star basket)

VOLUME

- Size 22: 11.6 liters

Flow-rate / Delta-P data:

Viscosity [cP]	Felt						Viscosity [cP]	Monofilament		
	Filtration [µm]							Filtration [µm]		
	1	5	10	25	100	200		150-250	300-600	600-800
1	33.8	33.8	33.8	33.8	33.8	33.8	1	20.7	26.0	28.0
20	21.2	33.8	33.8	33.8	33.8	33.8	20	20.7	26.0	28.0
30	14.5	27.3	33.8	33.8	33.8	33.8	30	20.7	26.0	28.0
40	11.5	20.5	30.0	33.8	33.8	33.8	40	20.7	26.0	28.0
60	9.0	17.0	25.5	33.8	33.8	33.8	60	20.7	26.0	28.0
80	7.25	12.8	19.2	32.0	33.8	33.8	80	20.7	26.0	28.0
100	6.0	10.2	14.5	23.5	33.8	33.8	100	20.7	26.0	28.0
200	2.78	5.55	7.69	12.8	17.9	23.5	200	20.7	26.0	28.0
400	1.58	2.95	5.11	7.53	10.6	13.2	400	20.7	26.0	28.0
500	1.20	2.18	3.19	5.55	7.54	9.40	500	14.5	10.2	28.0
800	0.85	1.54	2.35	3.84	5.55	7.26	800	10.7	19.2	20.4
1000	0.73	1.28	1.92	3.12	4.27	6.41	1000	8.97	11.5	17.1
1500	0.56	0.98	1.37	2.26	2.99	4.06	1500	6.41	7.54	11.5
2000	0.38	0.75	1.07	1.62	2.25	3.08	2000	5.13	6.82	9.38
4000	0.62	0.50	0.68	1.15	1.49	2.05	4000	3.20	4.27	6.40
6000	0.17	0.33	0.50	0.80	1.11	1.45	6000	2.18	2.90	4.27
8000	0.13	0.24	0.36	0.60	0.77	1.07	8000	1.58	2.14	3.12
10000	0.11	0.19	0.30	0.50	0.68	0.90	10000	1.41	1.79	2.73

Liquids flow-rate (m³/h) - Size 22bags - Initial Delta-P 0.07 bar

Size	Flow-Rate				Area	Efficiency
	1 cP	10 cP	100 cP	1000 cP		
1	15.0	13.5	4.5	0.6	Good	
2	28.0	25.0	8.4	1.2		
3	8.0	7.2	2.4	0.3	Low	
4	4.5	4.0	1.3	0.2		
					Not Recommended	

Liquids flow-rate (m³/h) - Initial Delta-P 0.07 bar

Available filtration rating:

- Polypropylene felt 1, 3, 5, 10, 25, 50, 100, 200 µm
- Polyester felt 1, 5, 10, 25, 50, 100 µm
- Nylon monofilament 1, 5, 10, 25, 45, 50, 55, 70, 75, 100, 125, 150, 175, 200, 250, 300, 400, 500, 600, 800, 1000 µm
- Polypropylene microfiber 1, 2, 5, 10, 25 µm

Contact us for any further information.

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

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