

TECHNICAL DATA SHEET

WeBaX Standard filter bags



Technical data

Material

Monofilament textile

PA = Polyamide monofilament
PES = Polyester monofilament
PS = Polypropylene monofilament
PAC = Polyamide Carbon monofilament
PTFE or ETFE = PTFE/ETFE monofilament

Needle felts

PE = Polyester needle felt
P = Polypropylene needle felt
NY = Polyamide needle felt
PTFE = PTFE needle felt
NX = Nomex® needle felt

Sizes

R1: 180 mm ø x 430 mm length
R2: 180 mm ø x 810 mm length
R5: 152 mm ø x 528 mm length (X100)
R10: 105 mm ø x 230 mm length
R20: 105 mm ø x 380 mm length
RS: Special size

Open area

R1: 0,25 m²
R2: 0,50 m²
R5: 0,20 m²
R10: 0,08 m²
R20: 0,13 m²

Volume

R1: 9 liter
R2: 18 liter
R5: 7,5 liter
R10: 1,4 liter
R20: 2,5 liter

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Max. differential pressure	2,5 bar	
Rec. differential pressure	0,8-1,5 bar	
Max. flow rates	R1: 20 m³/h R2: 40 m³/h R5: 18 m³/h R10: 6 m³/h R20: 12 m³/h	
Max. operating temperature	PA = 120°C PES = 120°C PS = 80°C PAC = 120°C PTFE/ETFE = 260°C	PE = 120°C P = 80°C NY = 120°C PTFE = 260°C NX = 205°C
Rings and collars	M = galvanised steel ring E = stainless steel ring K = plastic collar from Polypropylene (Standard PPP) K(PES) = plastic collar from Polyester (Standard PEP) KS = alternative plastic collar from Polypropylene (PPS) KS(PES) = alternative plastic collar from Polyester (PES) SAN = plastic collar (Santoprene) KI = plastic ring from Polypropylene (stitched inside) E(PTFE) = stainless steel ring, PTFE coated	



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Mesh openings and filter finenesses

Material (Monofilament textile)

Mesh opening (µm)	1	5	10	15	20	25	30	40	45	50	55	56	60	70	80	100
Polyamide (PA 6 and PA 6.6)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Polyester (PES)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Polypropylene (PS)																•
Mesh opening (µm)	125	150	180	200	250	300	350	375	400	500	600	700	800	900	1000	1300
Polyamide (PA 6 and PA 6.6)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Polyester (PES)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Polypropylene (PS)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mesh opening (µm)	82	105	120	145	160	205	245	402	510	600						
Polyamide Carbon (PAC)	•	•	•	•	•	•	•	•	•	•						
Mesh opening (µm)	50	80	150	200	250	300	400	420	500	600	850	1000	1800			
PTFE monofilament (PTFE)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ETFE monofilament (ETFE)			•	•	•	•	•	•	•	•	•	•	•	•	•	•

Material (Needle felt)

Filter fineness (µm)	0,5	1	5	10	25	50	75	100	150	200
Polyester (PE)	•	•	•	•	•	•	•	•	•	•
Polypropylene (P)	•	•	•	•	•	•	•	•	•	•
Polyamide (NY)		•	•	•	•	•	•	•	•	•
PTFE (PTFE)		•	•	•	•	•	•	•	•	•
Nomex® (NX)		•	•	•	•	•	•	•	•	•

Order Reference - Monofilament textiles and needle felts

Material	Mesh opening I filter fineness	Size of filter bag	Ring I Collar	Seam inside
PA	100	R1	K	IN
PA=Polyamide monofilament	according to table	R1=Size 1	M=galvanised steel ring	IN=yes
PES=Polyester monofilament	mesh opening and	R2=Size 2	E=stainless steel ring	plain=no
PS=Polypropylene monofilament	filter fineness	R10=Size 3	K=plastic collar (standard PPP)	
PAC=Polyamide Carbon monofilament		R20=Size 4	K(PES)=plastic collar (standard PEP)	
PTFEMQ=PTFE monofilament		R5=Size X100	KS=altern. plastic collar (PPS)	
ETFE=ETFE monofilament		RS=Special size	KS(PES)=altern. plastic collar (PES)	
PE=Polyester needle felt			SAN=plastic collar (Santoprene®)	
P=Polypropylene needle felt			KI=plastic ring from PP (stitched inside)	
NY=Polyamide needle felt			E(PTFE)=stainless steel ring, PTFE coated	
PTFE=PTFE needle felt				
NX=Nomex® needle felt				

Due to technical developments, the data may change at any time.