PAR◇FIT™

Compressed Air Interchangeable Elements

Replacements for ultrafilter PE/SB/FF/MF/SMF/AK *90´s* series

The Par<>Fit design offers a comprehensive range of interchangeable filter elements from Parker, one of the world´s leading manufacturer of compressed air treatment equipment with worldwide availability. Latest technologies, exceeding quality and service provide reliable performance, matching yet often surpassing the efficiency of original equipment manufacturer´s elements.

Design and Area of Application

The functional core of the filter elements is the pleated filtration fabric which offers an up to 4fold enlarged surface compared to conventional wrapped elements. Lower velocities result in lower differential pressures by simultaneous improvement in separation efficiency and dirt holding capacity.

Design acc. to:	Area of Application
PE/SB	High-capacitive surface filtration by pleated filter fabric for course separation of solid particulate.
FF	High-capacitive coalescing depth filtration by two-layered pleated filter fabric for general purpose separation of solid and liquid particulate.
MF/SMF	
AK	Adsorptive separation of oil vapours and odours by pleated filter fabric.

Calculated Performance Criteria

Criteria acc. to:	PE/SB	FF	MF/SMF	AK
Flow medium	Compressed air and gaseous Nitrogen.			
Flow direction	out to in*	in to out		in to out*
Operating temperature	1.5 - 80 °C			1.5 - 40 °C
Generic fineness	< 3 µm	< 1 µm	< 0.01 µm	n.a.
Nominal efficiency**	99.99 %	99.9999 %	99.99999 %	n.a.
Diff. pressure, dry	20 mbar	30 mbar	60 mbar	30 mbar
Diff. pressure, wet	70 mbar	100 mbar	150 mbar	n.a.
Residual aerosole conc.	n.a.	< 0.5 mg/m³	< 0.01 mg/m³	n.a.
Residual oil conc.	n.a.	n.a.	n.a.	<0.003 mg/m³

*All data in accordance to nominal volume flow capacities. *Preferred flow direction. **At generic fineness.*

Materials of Construction

Materials acc. to:	PE/SB	FF	MF/SMF	AK
Fabric	Cellulose fibre, coated	Borosilicate microfibre (96 % void volume) with Polypropylene support fabric and integrated Parafil drainage fabric		Activated woven carbon cloth
Support cylinders	stainless steel expanded mesh			
End caps	Aluminium			
Seals	NBR (high nitrile)			
Adhesive	Polyurethane, solvent-free			

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Nominal Volume Flow Capacities

OEM size	Volume flow*	OEM size	Volume flow*	OEM size	Volume flow*
02/05	20	04/20	120	10/30	720
02/10	35	05/20	180	15/30	1080
03/05	40	05/25	270	20/30	1440
03/10	60	07/25	360	30/30	1920
04/10	90	07/30	480	30/50	2880

** per element in m^3/h calculated at 1 bar(a), 20 °C, and compressed to 7 bar_e*

Cross-References

OEM reference	Parfit order no.	OEM reference	Parfit order no.	OEM reference	Parfit order no.
PE02/05	PR2090980	PE04/20	PR2091020	PE10/30	PR2091070
SB02/05	PR2090980	SB04/20	PR2091020	SB10/30	PR2091070
FF02/05	PR2098120	FF04/20	PR2098170	FF10/30	PR2098220
MF02/05	PR2091115	MF04/20	PR2091140	MF10/30	PR2091190
SMF02/05	PR2091235	SMF04/20	PR2091260	SMF10/30	PR2091310
AK02/05	PR2091355	AK04/20	PR2091380	AK10/30	PR2091430
PE02/10	PR2091000	PE05/20	PR2091030	PE15/30	PR2091080
SB02/10	PR2091000	SB05/20	PR2091030	SB15/30	PR2091080
FF02/10	PR2098140	FF05/20	PR2098180	FF15/30	PR2098230
MF02/10	PR2091120	MF05/20	PR2091150	MF15/30	PR2091200
SMF02/10	PR2091240	SMF05/20	PR2091270	SMF15/30	PR2091320
AK02/10	PR2091360	AK05/20	PR2091390	AK15/30	PR2091440
PE03/05	PR2090990	PE05/25	PR2091040	PE20/30	PR2091090
SB03/05	PR2090990	SB05/25	PR2091040	SB20/30	PR2091090
FF03/05	PR2098130	FF05/25	PR2098190	FF20/30	PR2098240
MF03/05	PR2091116	MF05/25	PR2091160	MF20/30	PR2091210
SMF03/05	PR2091236	SMF05/25	PR2091280	SMF20/30	PR2091330
AK03/05	PR2091356	AK05/25	PR2091400	AK20/30	PR2091450
PE03/10	PR2091010	PE07/25	PR2091050	PE30/30	PR2091100
SB03/10	PR2091010	SB07/25	PR2091050	SB30/30	PR2091100
FF03/10	PR2098150	FF07/25	PR2098200	FF30/30	PR2098250
MF03/10	PR2091130	MF07/25	PR2091170	MF30/30	PR2091220
SMF03/10	PR2091250	SMF07/25	PR2091290	SMF30/30	PR2091340
AK03/10	PR2091370	AK07/25	PR2091410	AK30/30	PR2091460
PE04/10	PR2091015	PE07/30	PR2091060	PE30/50	PR2091110
SB04/10	PR2091015	SB07/30	PR2091060	SB30/50	PR2091110
FF04/10	PR2098160	FF07/30	PR2098210	FF30/50	PR2098260
MF04/10	PR2091135	MF07/30	PR2091180	MF30/50	PR2091230
SMF04/10	PR2091255	SMF07/30	PR2091300	SMF30/50	PR2091350
AK04/10	PR2091375	AK07/30	PR2091420	AK30/50	PR2091470

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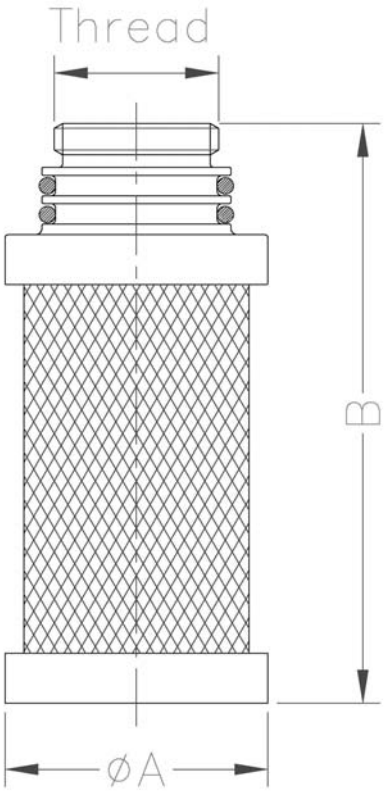
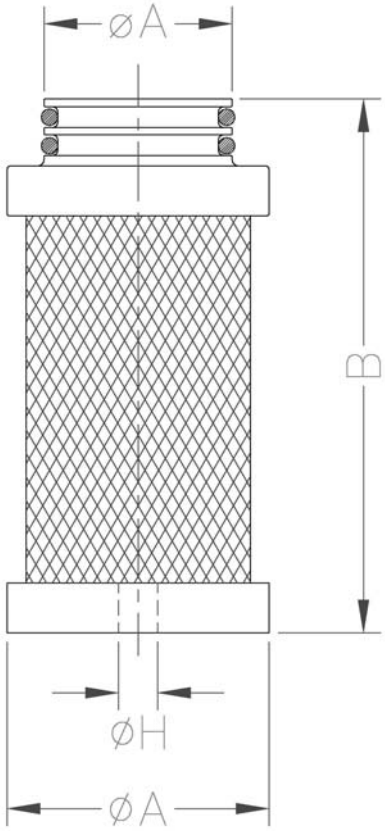
Dimension Overview



OEM size 02/05 up to 10/30



OEM size 15/30 up to 30/50

OEM Grade	OEM Size	Dimension [mm]			Dimension [mm]		Weight [kg]
		ØA	B	Thread	ØC	ØH	
PE SB FF MF SMF AK	02/05	35	76	G ¾ o	-	-	0.08
	02/10	42	94	G ¾ o	-	-	0.1
	03/05	35	90	G ¾ o	-	-	0.1
	03/10	42	94	G ¾ o	-	-	0.1
	04/10	42	122	G ¾ o	-	-	0.12
	04/20	52	128	G 1 o	-	-	0.17
	05/20	52	150	G 1 o	-	-	0.19
	05/25	62	151	G 1 o	-	-	0.23
	07/25	62	204	G 1 o	-	-	0.28
	07/30	86	206	G 2 o	-	-	0.5
	10/30	86	280	G 2 o	-	-	0.59
	15/30	86	397	-	61	13.5 i	0.74
	20/30	86	525	-	61	13.5 i	0.91
	30/30	86	777	-	61	13.5 i	1.2
	30/50	140	777	-	89	13.5 i	2.45

** Approximate data, tolerances not shown.*