

Compressed Air Interchangeable Elements Mikropor

Engineering Data Sheet



Description

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.

Area of Application

Element Grade	Area of Application
P	High-capacitive surface filtration by pleated filter fabric for coarse separation of solid particulate.
X	High-capacitive coalescing depth filtration by two-layered pleated filter fabric for general purpose separation of solid and liquid particulate.
Y	
A	Adsorptive separation of oil vapours and odours by pleated filter fabric.

Calculated Performance Criteria

Criteria according to:	P	X	Y	A
Flow medium	Compressed air and gaseous Nitrogen.			
Flow direction	Out to in	In to out	In to out	In to out
Operating temperature	1.5 - 80°C	1.5 - 80°C	1.5 - 80°C	1.5 - 40°C
Generic fineness	< 3 µm	< 1 µm	< 0.01 µm	n/a
Differential pressure - dry	20 mbar	30 mbar	60 mbar	30 mbar
Differential pressure - wet	70 mbar	100 mbar	150 mbar	n/a
Residual aerosol concentration	n/a	< 0.5 mg/m ³	< 0.01 mg/m ³	n/a
Residual oil concentration	n/a	n/a	n/a	< 0.003 mg/m ³

Materials of Construction

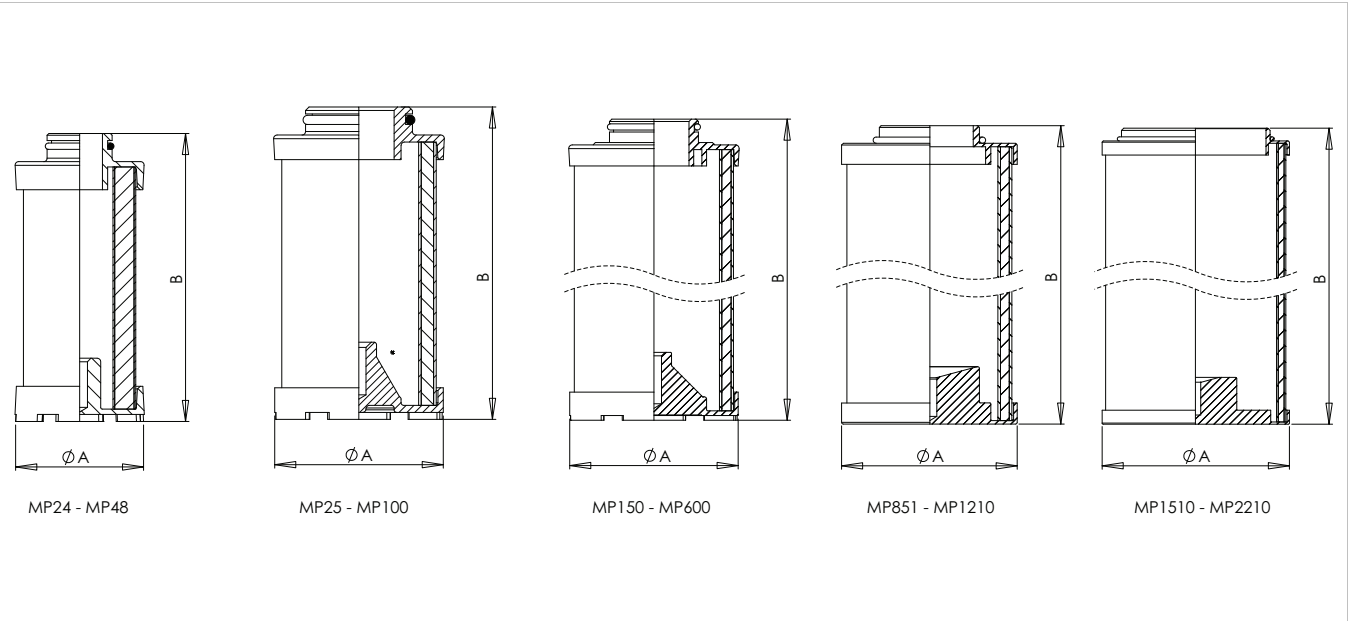
Criteria according to:	P	X	Y	A
Filter media	Cellulose fibre, coated	Borosilicate glass fibre		Activated woven carbon cloth
Support cylinders	Stainless perforated steel			
End caps	Aluminium			
Seals	High nitrile rubber			
Anti re-entrainment barrier	Polyester			
Adhesive	Two part polyurethane resin			

Cross-References

OEM Ref.	PAR<->FIT Ref.	Qty	OEM Ref.	PAR<->FIT Ref.	Qty	OEM Ref.	PAR<->FIT Ref.	Qty
Activated Carbon Elements								
M1210A	PR1963062	1	M250A	PR1963057	1	M100A	PR1963054	1
M1510A	PR1963063	1	M25A	PR1963052	1	M150A	PR1963055	1
M1810A	PR1963064	1	M300A	PR1963058	1	M50A	PR1963053	1
M200A	PR1963056	1	M48A	PR1963051	1	M600A	PR1963060	1
M2210A	PR1963065	1	M500A	PR1963059	1			
M24A	PR1963050	1	M851A	PR1963061	1			
General Purpose Elements								
M100P	PR1962994	1	M250P	PR1962997	1	M150X	PR1963015	1
M1210P	PR1963002	1	M25P	PR1962992	1	M1810X	PR1963024	1
M1210X	PR1963022	1	M25X	PR1963012	1	M200X	PR1963016	1
M150P	PR1962995	1	M300P	PR1962998	1	M2210X	PR1963025	1
M1510P	PR1963003	1	M48P	PR1962991	1	M250X	PR1963017	1
M1510X	PR1963023	1	M48X	PR1963011	1	M300X	PR1963018	1
M1810P	PR1963004	1	M500P	PR1962999	1	M500X	PR1963019	1
M200P	PR1962996	1	M50P	PR1962993	1	M50X	PR1963013	1
M2210P	PR1963005	1	M600P	PR1963000	1	M600X	PR1963020	1
M24P	PR1962990	1	M851P	PR1963001	1	M851X	PR1963021	1
M24X	PR1963010	1	M100X	PR1963014	1			
High Efficiency Elements								
M1210Y	PR1963042	1	M100Y	PR1963034	1	M500Y	PR1963039	1
M1510Y	PR1963043	1	M150Y	PR1963035	1	M50Y	PR1963033	1
M1810Y	PR1963044	1	M200Y	PR1963036	1	M600Y	PR1963040	1
M24Y	PR1963030	1	M2210Y	PR1963045	1	M851Y	PR1963041	1
M25Y	PR1963032	1	M250Y	PR1963037	1			1
M48Y	PR1963031	1	M300Y	PR1963038	1			1

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Weights and Dimensions



OEM Size	Dimension mm (ins)						Weight	
	A		B		C		kg	lbs
	mm	ins	mm	ins	mm	ins		
M24	83	3.3	37	1.5	18.5 OD	0.7	0.05	0.1
M48	83	3.3	37	1.5	18.5 OD	0.7	0.05	0.1
M25	89	3.5	48	1.9	30.5 OD	1.2	0.08	0.2
M50	89	3.5	48	1.9	30.5 OD	1.2	0.08	0.2
M100	126	5.0	48	1.9	30.5 OD	1.2	0.11	0.2
M150	169	6.7	72	2.8	38 OD	1.5	0.23	0.5
M200	226	8.9	72	2.8	38 OD	1.5	0.29	0.6
M250	271	10.7	72	2.8	38 OD	1.5	0.35	0.8
M300	305	12.0	72	2.8	38 OD	1.5	0.38	0.8
M500	335	13.2	72	2.8	38 OD	1.5	0.41	0.9
M600	382	15.0	72	2.8	38 OD	1.5	0.48	1.1
M851	450	17.7	100	3.9	57 OD	2.2	0.88	1.9
M1210	510	20.1	100	3.9	57 OD	2.2	1.01	2.2
M1510	390	15.4	160	6.3	127 OD	5.0	1.63	3.6
M1810	500	19.7	160	6.3	127 OD	5.0	1.95	4.3
M2210	545	21.5	160	6.3	127 OD	5.0	2.14	4.7

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