

Compressed Air Interchangeable Elements Hankison

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
E-9 (0734)	High-capacitive surface filtration by pleated filter fabric for coarse separation of solid particulate.
E-7 (0731)	High-capacitive coalescing depth filtration by two-layered pleated filter fabric for general purpose separation of solid and liquid particulate.
E-5 (0713)	
E-3	High-capacitive coalescing depth filtration by two-layered pleated filter fabric for general purpose separation of solid and liquid particulate.
E-1 (0715)	Adsorptive separation of oil vapours and odours by pleated filter fabric.

Calculated Performance Criteria

Criteria according to:	E-9 (0734)	E-7 (0731)	E-5 (0713)	E-3	E-1 (0715)
Flow medium	Compressed air and gaseous Nitrogen.				
Flow direction	Out to in	In to out	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 - 80°C	1.5 - 40°C
Generic fineness	< 3 µm	< 1 µm	< 0.01 µm	< 0.01 µm	n/a
Differential pressure - dry	20 mbar	30 mbar	60 mbar	120 mbar	30 mbar
Differential pressure - wet	70 mbar	100 mbar	150 mbar	280 mbar	n/a
Residual aerosol concentration	n/a	< 0.5 mg/m ³	< 0.01 mg/m ³	< 0.001 mg/m ³	n/a
Residual oil concentration	n/a	n/a	n/a	n/a	< 0.003 mg/m ³

Materials of Construction

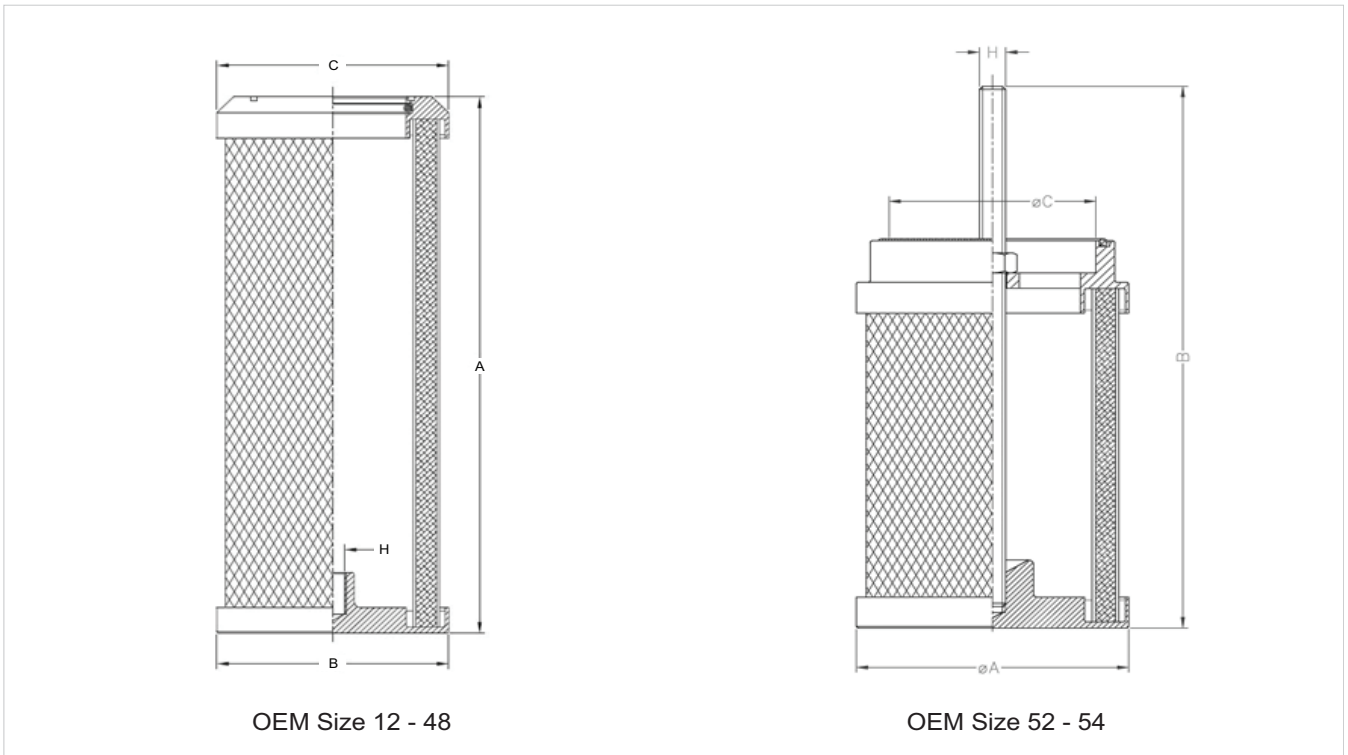
Criteria according to:	E-9 (0734)	E-7 (0731)	E-5 (0713)	E-3	E-1 (0715)
Filter media	Cellulose fibre, coated	Borosilicate glass fibre			Activated woven carbon cloth
Support cylinders	Stainless perforated steel				
End caps	Aluminium				
Seals	High nitrile rubber				
Anti re-entrainment barrier	Polyester				
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								
E-1-12	PR1690500	1	E-1-28	PR1690540	1	E-1-44	PR1690580	1
E-1-16	PR1690510	1	E-1-32	PR1690550	1	E-1-48	PR1690590	1
E-1-20	PR1690520	1	E-1-36	PR1690560	1	E-1-52	PR1690600	1
E-1-24	PR1690530	1	E-1-40	PR1690570	1	E-1-54	PR1690610	1
General Purpose Elements								
E-7-12	PR1690100	1	E-7-44	PR1690180	1	E-9-28	PR1690740	1
E-7-16	PR1690110	1	E-7-48	PR1690190	1	E-9-32	PR1690750	1
E-7-20	PR1690120	1	E-7-52	PR1690200	1	E-9-36	PR1690760	1
E-7-24	PR1690130	1	E-7-54	PR1690210	1	E-9-40	PR1690770	1
E-7-28	PR1690140	1	E-9-12	PR1690700	1	E-9-44	PR1690780	1
E-7-32	PR1690150	1	E-9-16	PR1690710	1	E-9-48	PR1690790	1
E-7-36	PR1690160	1	E-9-20	PR1690720	1	E-9-52	PR1690800	1
E-7-40	PR1690170	1	E-9-24	PR1690730	1	E-9-54	PR1690810	1
Ultra High Efficiency Elements								
E-3-12	PR1690900	1	E-3-28	PR1690940	1	E-3-44	PR1690980	1
E-3-16	PR1690910	1	E-3-32	PR1690950	1	E-3-48	PR1690990	1
E-3-20	PR1690920	1	E-3-36	PR1690960	1	E-3-52	PR1691000	1
E-3-24	PR1690930	1	E-3-40	PR1690970	1	E-3-54	PR1691010	1
High Efficiency Elements								
E-5-12	PR1690300	1	E-5-28	PR1690340	1	E-5-44	PR1690380	1
E-5-16	PR1690310	1	E-5-32	PR1690350	1	E-5-48	PR1690390	1
E-5-20	PR1690320	1	E-5-36	PR1690360	1	E-5-52	PR1690400	1
E-5-24	PR1690330	1	E-5-40	PR1690370	1	E-5-54	PR1690410	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		
12	50	2.0	60	2.4	19.5	0.8	0.14	0.3
16	91	3.6	60	2.4	19.5	0.8	0.15	0.3
20	155	6.1	60	2.4	19.5	0.8	0.20	0.4
24	167	6.6	60	2.4	35	1.4	0.30	0.7
28	275	10.8	60	2.4	35	1.4	0.30	0.7
32	335	13.2	68	2.7	43	1.7	0.55	1.2
36	450	17.7	68	2.7	43	1.7	0.66	1.5
40	517	20.4	83	3.3	57.5	2.3	0.84	1.9
44	663	26.1	83	3.3	57.5	2.3	1.10	2.4
48	821	32.3	83	3.3	57.5	2.3	1.50	3.3
52	771.5	30.4	83	3.3	63	2.5	1.30	2.9
54	625.5	24.6	83	3.3	63	2.5	1.10	2.4

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