

# Compressed Air Interchangeable Elements OMI

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
DF	High-capacitive surface filtration by pleated filter fabric for coarse separation of solid particulate.
PF	High-capacitive coalescing depth filtration by two-layered pleated filter fabric for general purpose separation of solid and liquid particulate.
QF	
HF	High-capacitive coalescing depth filtration by two-layered pleated filter fabric for general purpose separation of solid and liquid particulate.
CF	Adsorptive separation of oil vapours and odours by pleated filter fabric.

## Calculated Performance Criteria

Criteria according to:	DF	PF	QF	HF	CF
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 <sup>3</sup>	< 0.01 mg/m <sup>3</sup>	< 0.001 mg/m <sup>3</sup>	n/a
Residual oil concentration	n/a	n/a	n/a	n/a	< 0.003 mg/m <sup>3</sup>

## Materials of Construction

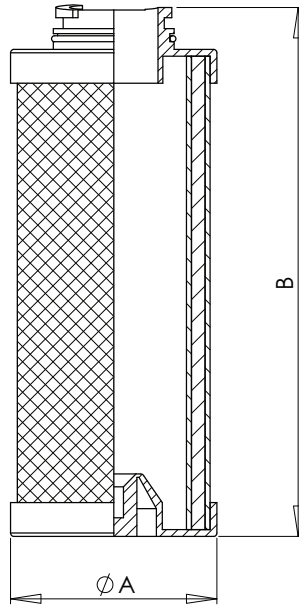
Criteria according to:	DF	PF	QF	HF	CF
Filter media	Cellulose fibre, coated	Borosilicate glass fibre			Activated woven carbon cloth
Support cylinders	Stainless perforated steel				
End caps	Aluminium				
Seals	High nitrile rubber				
Anti re-entrainment barrier	Polyester				
Adhesive	Two part polyurethane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

## Cross-References

OEM Ref.	PAR<->FIT Ref.	Qty	OEM Ref.	PAR<->FIT Ref.	Qty	OEM Ref.	PAR<->FIT Ref.	Qty
<b>Activated Carbon Elements</b>								
04E0030CF	PR1963956	1	04E0204CF	PR1963960	1	04E0750CF	PR1963964	1
04E0060CF	PR1963957	1	04E0300CF	PR1963961	1	04E0990CF	PR1963965	1
04E0108CF	PR1963958	1	04E0432CF	PR1963962	1	04E1140CF	PR1963966	1
04E0180CF	PR1963959	1	04E0570CF	PR1963963	1	04E1320CF	PR1963967	1
<b>General Purpose Elements</b>								
04E0030DF	PR1963908	1	04E0432DF	PR1963914	1	04E1140DF	PR1963918	1
04E0030PF	PR1963932	1	04E0432PF	PR1963938	1	04E1140PF	PR1963942	1
04E0030QF	PR1963920	1	04E0432QF	PR1963926	1	04E1140QF	PR1963930	1
04E0060DF	PR1963909	1	04E0570DF	PR1963915	1	04E1320DF	PR1963919	1
04E0108DF	PR1963910	1	04E0570PF	PR1963939	1	04E1320PF	PR1963943	1
04E0108PF	PR1963934	1	04E0570QF	PR1963927	1	04E1320QF	PR1963931	1
04E0180DF	PR1963911	1	04E0750DF	PR1963916	1	04E0060PF	PR1963933	1
04E0180PF	PR1963935	1	04E0750PF	PR1963940	1	04E0060QF	PR1963921	1
04E0180QF	PR1963923	1	04E0750QF	PR1963928	1	04E0108QF	PR1963922	1
04E0204DF	PR1963912	1	04E0990DF	PR1963917	1	04E0204PF	PR1963936	1
04E0300DF	PR1963913	1	04E0990PF	PR1963941	1	04E0204QF	PR1963924	1
04E0300QF	PR1963925	1	04E0990QF	PR1963929	1	04E0300PF	PR1963937	1
<b>High Efficiency Elements</b>								
04E0030HF	PR1963944	1	04E0570HF	PR1963951	1	04E0060HF	PR1963945	1
04E0180HF	PR1963947	1	04E0990HF	PR1963953	1	04E0108HF	PR1963946	1
04E0300HF	PR1963949	1	04E1140HF	PR1963954	1	04E0204HF	PR1963948	1
04E0432HF	PR1963950	1	04E1320HF	PR1963955	1	04E0750HF	PR1963952	1

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## Weights and Dimensions



OM005 - OM220

OEM Size	Dimension mm (ins)						Weight	
	A		B		C		kg	lbs
	mm	ins	mm	ins	mm	ins		
04E 0030	63	2.5	49	1.9	22.1 OD	0.9	0.06	0.1
04E 0060	83	3.3	49	1.9	22.1 OD	0.9	0.07	0.2
04E 0108	119	4.7	49	1.9	22.1 OD	0.9	0.11	0.2
04E 0180	158	6.2	49	1.9	22.1 OD	0.9	0.12	0.3
04E 0204	118	4.6	61	2.4	35.7 OD	1.4	0.14	0.3
04E 0300	156	6.1	61	2.4	35.7 OD	1.4	0.18	0.4
04E 0432	196	7.7	61	2.4	35.7 OD	1.4	0.20	0.4
04E 0570	234	9.2	61	2.4	35.7 OD	1.4	0.26	0.6
04E 0750	222	8.7	83	3.3	52.3 OD	2.1	0.36	0.8
04E 0990	312	12.3	83	3.3	52.3 OD	2.1	0.45	1.0
04E 1140	407	16.0	83	3.3	52.3 OD	2.1	0.62	1.4
04E 1320	492	19.4	83	3.3	52.3 OD	2.1	0.68	1.5

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