

ALTERNATIVE ELEMENTS

Beko Clearpoint 3eco



There is an alternative...

www.walkerfiltration.com

Walker Filtration manufactures and supplies one of the most comprehensive and competitively priced ranges of Alternative Filter Elements in the market today. With a dynamic approach to design, material selection and construction, our engineering team reviews the original design, not only to create an alternative, but also to provide a superior product.



Features & Benefits



Compatible with OEM Housings

Designed to fit into BEKO Clearpoint 3eco housing with the same fit and function of the original element



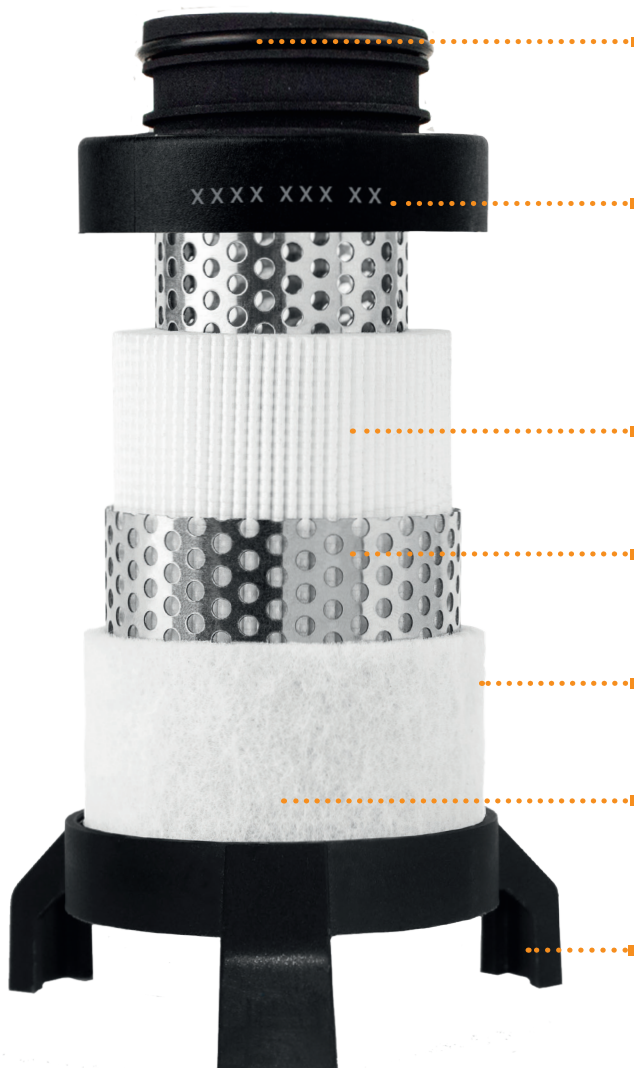
Pleat Pack Depth

of the alternative element is equal to or better than the original



Location Legs

on the bottom end cap help to stabilise the element and create a void for condensation to collect between the element and the base of the housing.



Custom engineered top cap design allows for installation in standard and reverse flow configuration, with red indication marker.

Full traceability and easy identification ink jet marking enables easy grade and part number identification, branding and batch code traceability in line with our ISO9001 manufacturing process.

Deep bed pleated media gives significantly more surface area for particulate removal and lower Delta P.

High quality stainless steel cylinders provide corrosion resistance and deliver strength and stability to the element.

Custom outer drainage layer prevents oil carryover and improves coalescence performance.

Polyester Needle Felt Sleeve designed for unique coalescing action to quickly drain oil. Ultrasonically welded down length and will not decay with age.

Corrosion resistant glass filled nylon end caps provide an optimum flow path.



Guaranteed Performance

- ✓ Lower differential pressure
- ✓ High oil removal efficiencies
- ✓ Performance equal or superior to OEM elements
- ✓ In house and independent testing in accordance with industry standards



Cost Effective

- ✓ Increased energy efficiencies
- ✓ Lower operational costs
- ✓ Competitive pricing



Quality Design

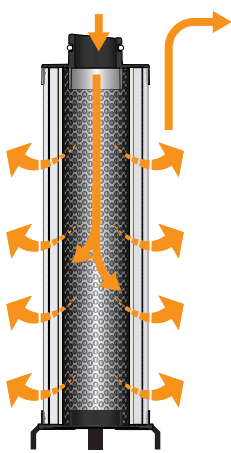
- ✓ Corrosion resistant high grade stainless steel support cylinders
- ✓ High quality filtration media and pleated construction for improved efficiencies
- ✓ Made in the UK



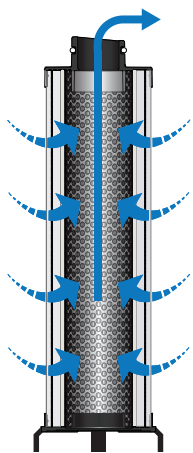
Material Comparison

Coalescing / Particulate Filter			
Component	Beko (C/G/F/S/A Grade)	Walker Filtration (X25/X5/X1/XA/AC Grade)	
Filter media	Borosilicate glass fibre fleece	Borosilicate glass microfibers	■ Borosilicate Microfibre Glass withstands higher temperatures, is completely inert and is immune to degradation
Coalescing sleeve	Nonwoven polyester fabric	Nonwoven polyester fabric	
Inner and outer support liner	Stainless steel	Stainless steel	
End cap	Glass fibre reinforced polymer	Glass fibre reinforced polymer	■ Pleated construction for optimum particulate removal and low differential pressure
O-rings	Viton	Viton	
Potting compound	Polyurethane	Polyurethane	

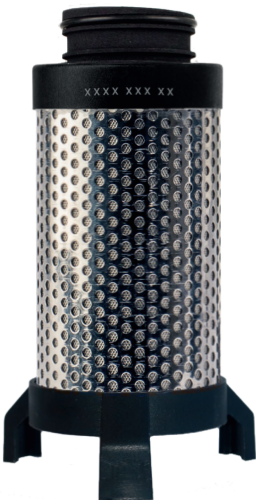
Activated Carbon Vapour Filter			
Component	Beko (C/G/F/S/A Grade)	Walker Filtration (AC Grade)	
Adsorption stage	Activated carbon granulate	Activated carbon wrap	■ Utilises carbon cloth for high efficiency oil vapour removal ■ High capacity carbon for extended service life ■ Includes 0.01 micron layer of glass microfiber on the inlet and outlet to prevent granular carbon carryover
Filtration Stage	None	0.01 micron glass microfiber	
End cap	Glass fibre reinforced polymer	Glass fibre reinforced polymer	
O-rings	Viton	Viton	■ Includes 0.01 micron layer of glass microfiber on the inlet and outlet to prevent granular carbon carryover
Inner and outer support liner	Stainless steel	Stainless steel	
Potting compound	Polyurethane	Polyurethane	



Coalescing grades flow inside to out

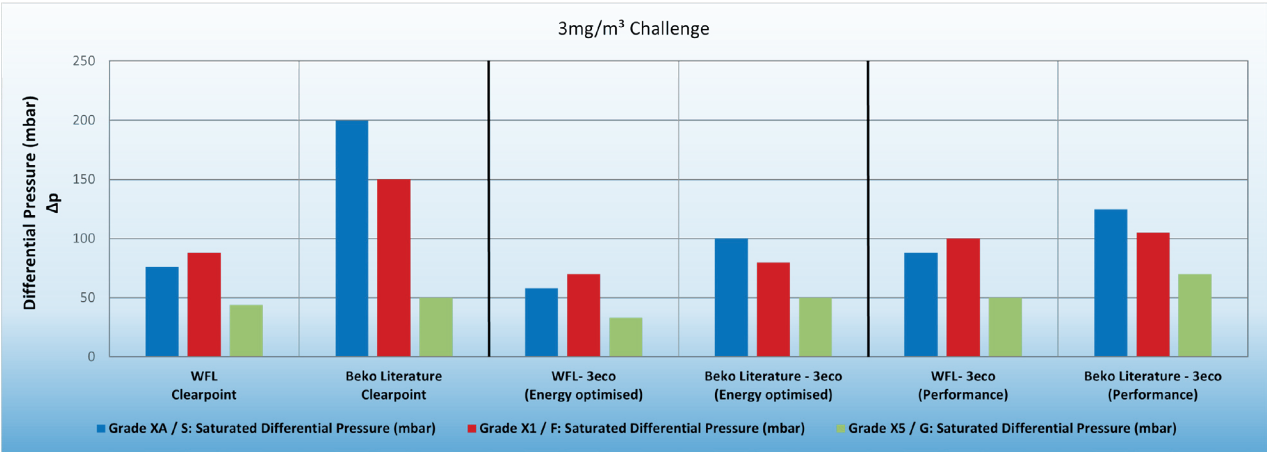


Particulate grades flow outside to in



Performance

Validated performance data in accordance with ISO 12500-1, ISO12500-2 and ISO 12500-3. Walker Filtration's Alternative Filter Elements perform equal to or better than the original manufacturers. Our Beko Clearpoint alternatives provide cost effective, reliable, energy efficient filter elements that deliver quality compressed air in line with ISO 8573-1.



Technical Specification

Table shows original equipment performance claims as published by manufacturer (Beko).

Walker Filtration guarantees performance of alternative filter elements to be equal to or exceeding that of the original filter element when placed in service under identical conditions.

Walker Grade		X25		X5		X1		XA		AC	
Beko Grade		C		G		F		S		A	
Filter Type		Coalescing / Particulate		Coalescing / Particulate		Coalescing / Particulate		Coalescing / Particulate		Activated Carbon	
Initial Differential Pressure (Energy Optimised element & housing) Dry		30mbar	0.40psi	16mbar	0.23psi	24mbar	0.35psi	40mbar	0.58psi	45mbar	0.65psi
Initial Differential Pressure (Energy Optimised element & housing) Wet		50mbar	0.70psi	33mbar	0.48psi	70mbar	1.02psi	58mbar	0.84psi	N/A	
Initial Differential Pressure (Performance element & housing) (mbar) Dry		30mbar	0.40psi	28mbar	0.41psi	40mbar	0.58psi	62mbar	0.9psi	N/A	
Initial Differential Pressure (Performance element & housing) (mbar) Wet		50mbar	0.70psi	50mbar	0.73psi	100mbar	1.45psi	88mbar	1.28psi	N/A	
Particle Retention Rate (microns)		5		5		1		0.01		0.01	
ISO 8573-1 Residual Oil Content Class		5		4		3		1		1 [†]	
ISO 8573-1 Particulate Removal Class		5		4		3		1		N/A	
Maximum Temperature		120°C (248°F)		120°C (248°F)		120°C (248°F)		120°C (248°F)		50°C (122°F)	

[†]When preceded by an XA grade filter

Coalescing and Particulate Element Grades

Grade X25 - 25 Micron

Walker Model	Replaces Beko Filter Element
BK04X25	4C
BK05X25	5C
BK06X25	6C
BK07X25	7C
BK10X25	10C
BK12X25	12C
BK15X25	15C
BK18X25	18C
BK20X25	20C
BK22X25	22C
BK23X25	23C
BK25X25	25C
BK27X25	27C
BK30X25	30C
BK32X25	32C

Grade X5 - 5 Micron

Walker Model	Replaces Beko Filter Element
BK04X5	4G
BK05X5	5G
BK06X5	6G
BK07X5	7G
BK10X5	10G
BK12X5	12G
BK15X5	15G
BK18X5	18G
BK20X5	20G
BK22X5	22G
BK23X5	23G
BK25X5	25G
BK27X5	27G
BK30X5	30G
BK32X5	32G

Grade X1 - 1 Micron

Walker Model	Replaces Beko Filter Element
BK04X1	4F
BK05X1	5F
BK06X1	6F
BK07X1	7F
BK10X1	10F
BK12X1	12F
BK15X1	15F
BK18X1	18F
BK20X1	20F
BK22X1	22F
BK23X1	23F
BK25X1	25F
BK27X1	27F
BK30X1	30F
BK32X1	32F

Grade XA - 0.01 Micron

Walker Model	Replaces Beko Filter Element
BK04XA	4S
BK05XA	5S
BK06XA	6S
BK07XA	7S
BK10XA	10S
BK12XA	12S
BK15XA	15S
BK18XA	18S
BK20XA	20S
BK22XA	22S
BK23XA	23S
BK25XA	25S
BK27XA	27S
BK30XA	30S
BK32XA	32S

Grade AC - Activated Carbon

Walker Model	Replaces Beko Filter Element
BK04AC	4A
BK05AC	5A
BK06AC	6A
BK07AC	7A
BK10AC	10A
BK12AC	12A
BK15AC	15A
BK18AC	18A
BK20AC	20A
BK22AC	22A
BK23AC	23A
BK25AC	25A
BK27AC	27A
BK30AC	30A
BK32AC	32A



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