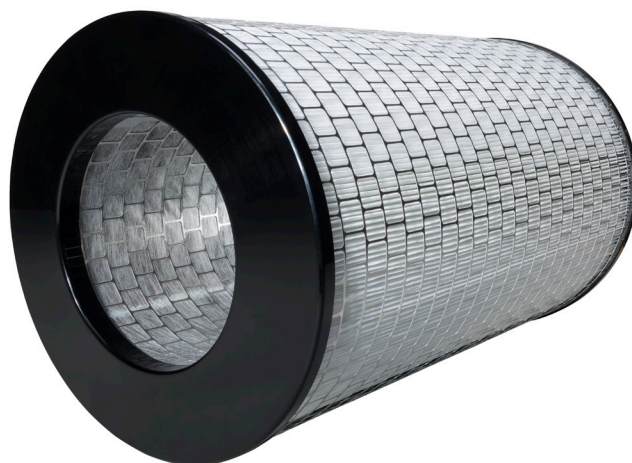


Improve the cabin environment, reduce delays and enhance safety

The Pall A-CAF (Advanced Cabin Air Filter) offers exceptional cabin air quality by ensuring dust, fibres, allergens, viruses, Volatile Organic Compounds (VOCs) and odours are removed from the recirculation air stream.

Recirculation of cabin air was introduced in the 1960s and 1970s as a measure to reduce fuel costs. To ensure that the air being recirculated inside the cabin was free of bacteria and viruses, Pall introduced High-Efficiency Particulate Arrestance (or HEPA) filters. Continuously seeking to improve filtration performance to meet the needs of the industry and traveling public alike, Pall is now introducing A-CAF (Advanced Cabin Air Filter).



A-CAF (Advanced Cabin Air Filtration) is the combination of HEPA with an advanced activated carbon that further enhances aircraft cabin air quality by removing contaminants and odours, increasing crew and passenger comfort and improving airline operational efficiency.

FEATURES / BENEFITS

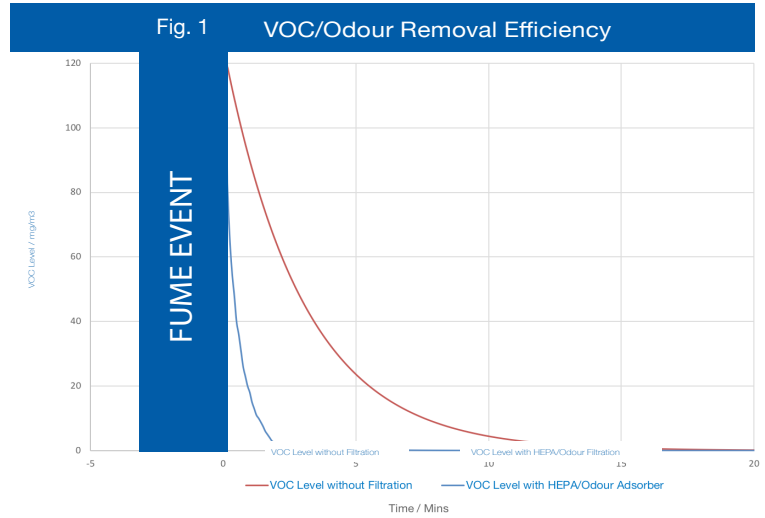
- Unique immobilised activated carbon matrix
- Removes VOCs that may be present in the cabin, including degraded engine oil products, de-icing fluids or hydraulic fluids from the re-circulated air
- Eliminates unpleasant odours within the cabin
- Reduces number of unscheduled diversions (related to contaminated air events)
- Reduces unnecessary maintenance activities associated with non-persistent/transitional odour events
- Enhances overall cabin air quality and ensures crew and passenger comfort

PERFORMANCE

Figure 1 illustrates the effectiveness of the A-CAF in reducing odours and VOCs from a cabin.

With its installation, a fume event or odour present in the cabin will be reduced to non-detectable levels within 3 minutes after the onset (Time 0).

Without an odour filter in place, the event can take over 10 minutes to dissipate to an acceptable level.



QB0654-03 is the Airbus approved filter included in the IPC (Illustrated Parts Catalogue).

This P/N incorporates a hydrophobic treatment which increases the water repellency of the particulate media.

The clean pressure drop and dust holding capacity of **QB0654-03** are equivalent to that of QB0654-01/02.

	HEPA ONLY FILTER P/N: QA06423-01	HEPA/VOC FILTER P/N: QB0654-03
PARTICULATE REMOVAL	99.99% NaCl removal efficiency to EN1822-1 H14	
MICROBIAL REMOVAL	>99.999% removal when challenged with Brevundimonas diminuta, Bascillus subtilis and MS2 Coliphage virus	
VOC REMOVAL	Not designed to remove gases	High adsorption efficiency for a wide variety of gaseous contaminants/odors (chemical dependent)
WEIGHT	3.0 KG (spec weight 4.8 KG)	4.7 KG
ESTIMATED CHANGE INTERVAL	5,000 HRS	5,000 HRS
DIMENSIONS	OD 345 by 500mm length	OD 345 by 500mm length
INTERCHANGEABILITY	The two filters are inter-changeable	
APPROVALS	OEM Production Standard	OEM Production Standard

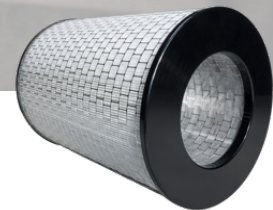
ORDERING INFORMATION

Pall P/N: QB0654-03

For the airline aftermarket, these filters are available through our authorised airline distributor, Satair A/S, www.satair.com. Satair also provides global 24/7 technical support service to our airline customers.

Technical data presented in this product data sheet represents only a fraction of the test program that has taken place to demonstrate the effectiveness of this advanced filter. For further details, facts and figures, please get in touch:

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Filtration. Separation. Solution.SM

PC110
Advanced Cabin Air Filter
for the A320 Family

Visit aerospace.pall.com

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AEPC110EN

v.May 2019