



Donaldson.
FILTRATION SOLUTIONS

Air Purification System (APS™) for Boeing 777



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From our hub in Dubai, we connect you to more destinations, people and cultures in over 120 destinations around the world. We're always looking for new ways to make your journey even more memorable. From our world-class service to our flight dining and award-winning entertainment.

We're adding new routes to our network, including the world's longest nonstop flight to Panama City and a new daily nonstop service to Auckland. We're also looking to daily nonstop service from Dubai to Cebu and Clark in the Philippines, and we'll fly four times a week to Tbilisi and Zhongshan in China.

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الرجاء ربط حزام الأمان أثناء الطيران
FASTEN SEAT BELT WHILE SEATED

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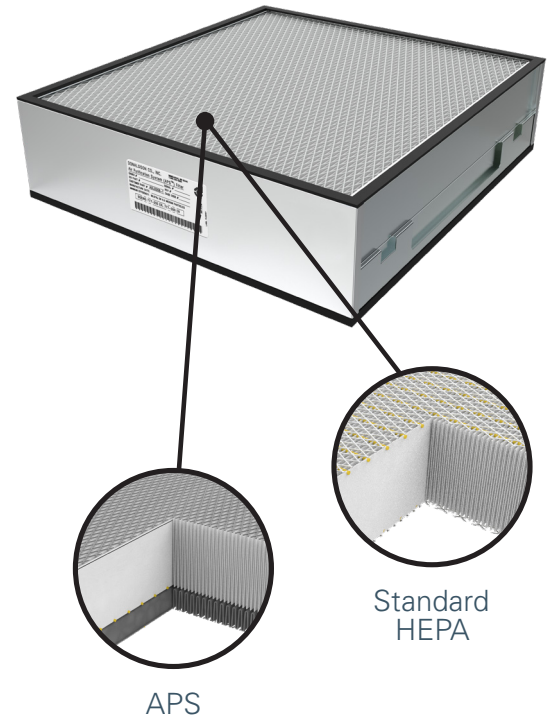
BREATHE EASY

Donaldson's Air Purification System (APS™) combines particulate and chemical filtration in one filter for cleaner air in commercial aircraft. These two stages work together to remove a wide range of contaminants from the air.

- + Particulate filtration removes dust, allergens, and other irritating particles from the air.
- + Chemical filtration utilizes gas phase adsorption to remove bio-effluents, fuel by-products, volatile organic compounds (VOC), and other contaminants from internal and external sources.

Donaldson APS solutions effectively and reliably:

- + Remove gaseous contaminants including odors
- + Provide HEPA-efficient particulate removal
- + Match current change intervals
- + Maintain same weight as standard particulate filter
- + Permit HEPA and APS filters to be used interchangeably



Boeing 777 Cabin Air Solutions

	P512777 (Standard HEPA)	P639821 (APS)
Particulate Removal	HEPA (99.97% on 0.3 µm)	HEPA (99.97% on 0.3 µm)
VOC Removal	No	Yes
Weight	3.2 kg (7.0 lbs) clean	3.2 kg (7.0 lbs) clean
Estimated Change Interval	6,000 hours	6,000 ¹ hours
Dimensions	20.0" x 18.7" x 5.0" 510 mm x 475 mm x 125 mm	20.0" x 18.7" x 5.0" 510 mm x 475 mm x 125 mm
Approvals	OE Production Approval: Boeing 777-200 Series, 777-200LR Series, 777-300 Series, 777-300ER Series	FAA T&C ² PMA Approved: Boeing 777-200 Series, 777-200LR Series, 777-300 Series, 777-300ER Series

1 - Calculated using the dust concentration from Boeing SCD S214W901 (dated 2017)

2 - Test and Computation

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