

Technical Data Sheet

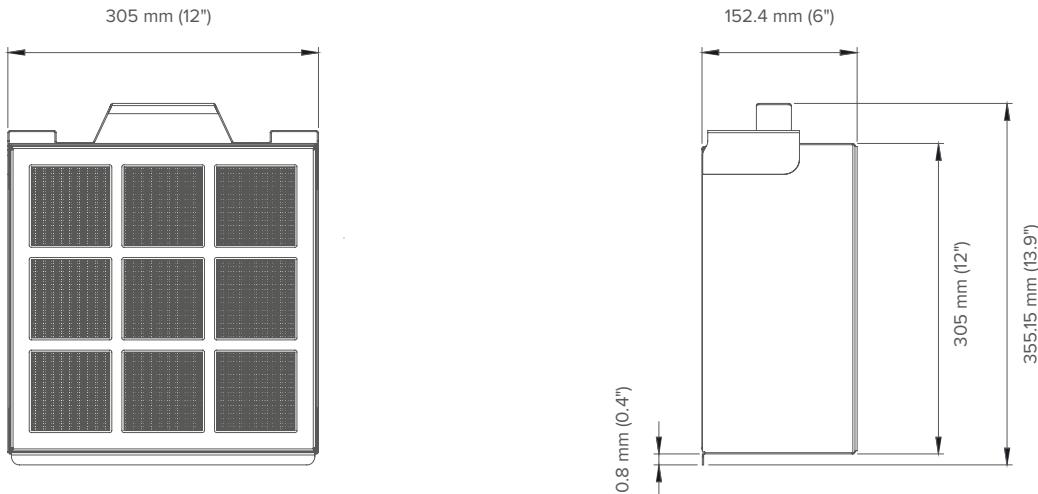
Activated Carbon Filter Cartridge

BreatheSafe



Two-stage Activated Carbon + HEPA filter assembly. Specially designed to minimise air velocity and maximise contact surface area of the reactive carbon, promoting gas filtration effectiveness. Provided with custom designed assemblies to integrate gas filtration with BreatheSafe pressurisation systems. Cartridge is self-contained and easily swapped during scheduled machine maintenance.

NOTE: SINGLE USE ONLY. DO NOT ATTEMPT TO WASH OR CLEAN THE PANEL FILTER OR CARBON ELEMENTS.



Technical Data

Detail	Description
Part Number	Full Assembly: 500068 Particulate Filter: 500050 Gas Filter: 500065
Particulate Filter Media Type	HEPA H13 glass fibre
Length	355.15 mm (13.9")
Width	305 mm (12")
Depth	152.4 mm (6")
Carbon Weight	2700 g (5.9 lb)
Carbon Specific Surface Area	650 m ² /g
Cartridge Weight	6250 g (13.7 lb)
Particulate Filter Specifications	Efficiency: 99.5% Nominal Velocity: 0.8 m/s Nominal Pressure Drop: 180 Pa
Gas Filter Type	Honeycomb Activated Carbon Monolith, Impregnated with 15% KOH
Carbon Impregnation	KOH impregnation enhances absorptivity of acidic compounds
Suitable for Removing	SO ₂ , H ₂ S, H ₂ SO ₄ , VOCs, NHMCs, Diesel Fumes etc.
Maximum Temperature	80°C (176°F)