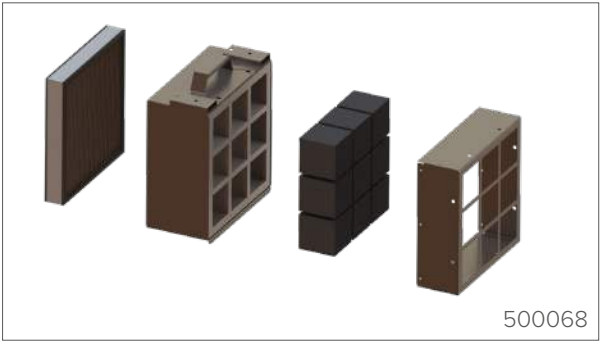


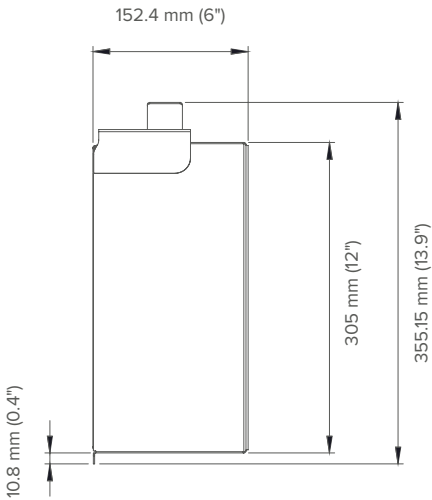
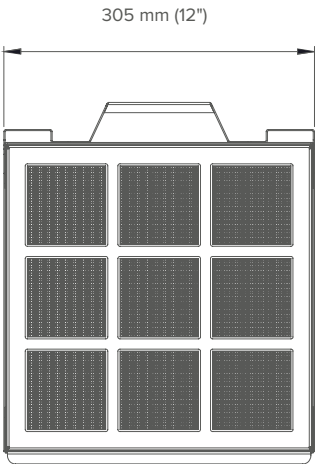
# Technical Data Sheet

## Activated Carbon Filter Cartridge



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 <sup>2</sup> /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 <sub>2</sub> , H <sub>2</sub> S, H <sub>2</sub> SO <sub>4</sub> , VOCs, NHMCs, Diesel Fumes etc. |
| Maximum Temperature               | 80°C (176°F)  |