

## Filter replacement

The VESDA LaserFOCUS smoke detector uses a disposable dual stage air filter cartridge. This filter removes dust contamination from sampled air and provides a clean air bleed to preserve the detector chamber optics. The detector constantly monitors filter efficiency. To maintain the operational integrity of the smoke detector, it is recommended that the filter be replaced every 2 years, or when a filter fault occurs or more often for environments that experience high levels of contamination.

A fault is raised on the detector, when the filter needs to be replaced. During the replacement process the detector needs to be informed that a new filter has been installed.

**Note:** Prior to any work or maintenance being carried out on the VESDA LaserFOCUS take the necessary steps to advise the monitoring authority that power may be removed and the system disabled.

**Note:** Ensure the area surrounding the filter is clear of dirt and debris prior to replacement.

**Note:** The filter is for single use only, it cannot be cleaned and re-used.

### Filter replacement steps

Ensure the detector remains powered up during filter replacement and a new filter cartridge is available:

1. Push in the security tab and lift up the field service access door (A).
2. Set the detector to 'Standby' mode by pressing the Disable button for 6 seconds. The Disabled LED begins to flash. After releasing the Disable button the disabled LED will slowly flash.
3. Undo the recessed retaining screw (C) and pull out the old filter (B).
4. Using your finger, firmly press the filter switch (D) (in the filter recess of the detector) 5 times within 5 seconds to confirm to the detector that a new filter is about to be installed (see inset). A LED next to the serial interface will flash each time you push the filter switch, and will continue flashing once you have successfully pressed the switch 5 times in 5 seconds.
5. Insert the new filter (VSP-005) and tighten the retaining screw.
6. Press the Disable button for 6 seconds to return the detector to normal operation.
7. Record the filter replacement date on the filter.
8. Close the field service access door.

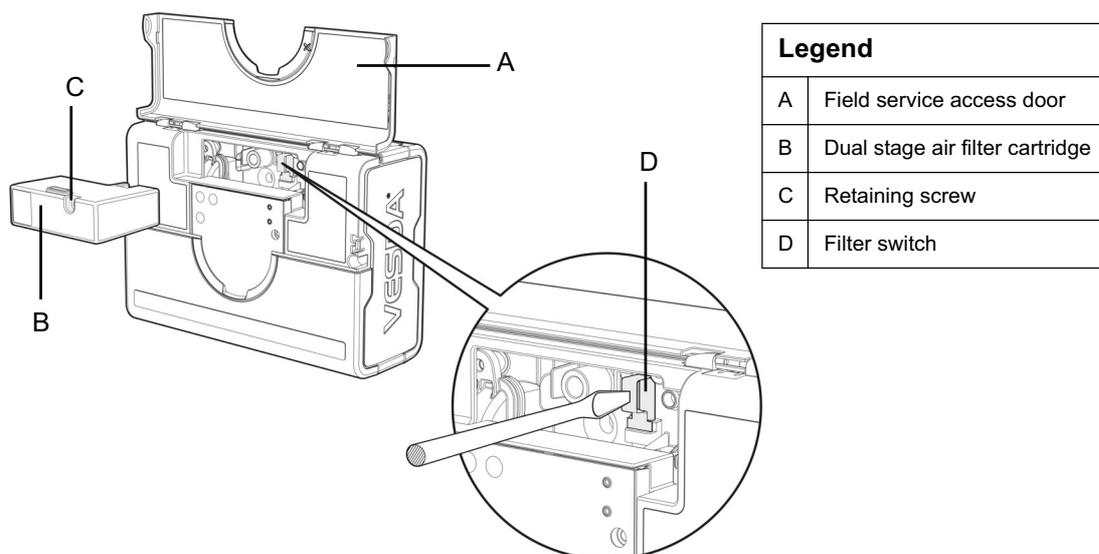


Figure 27 - Filter replacement