

# Case Study

## CS1150F Hot Gas Filters

### Customer Profile

Established Strawberry Farm Nursery and Non Perennial Crop Grower.

### Problem

Wood Chip Boiler particulate emissions over the licence emissions limit.

### Tenmat Solution

Tenmat Hot Gas Filters Tenmat Candle (CS1150F) System by HG Filtration Ltd

### Benefits

Hot Gas Filtration elements capable of achieving atmospheric emissions of less than  $3\text{mg}/\text{m}^3$ .



### Result

The rotary valves from the old cyclones were retained for use with the new filters. This not only kept costs down but also simplified the controls modifications.

New twin walled insulated SS ducting was fitted from the boiler outlet to the exhaust fan to complete the installation.

Site work was kept to the minimum by the filters arriving completely built, only needing to be lifted into position on top of their new support frames. Site electrics were completed within a day and the new duct work was erected by the site's maintenance fitters, again keeping costs to the customer down.

#### Conclusions:

At this site, particulate emission levels are lower than  $3\text{mg}/\text{m}^3$ , which is better than current legislation requires. And, as recycled Woodchip can now be used alongside Virgin Woodchip, the clients ongoing costs have been reduced.