

**Ductless Filtration Fume hood – 1No.**  
**Doc. No: ST/12/ Filtration Fumehood /2016-17/43**

**Application:**

To use for evaporation of organic solvent extracts from mycotoxin analysis. To use toxic chemicals such as ethidium bromide and acrylamide that have to be handled only under the fumehood.

**Enclosures :**

- Adhering to safety standards
- Validation certificate verifying chemical usage, filter type and filter lifetime

**Features:**

- Safety Standards should be maintained and guarantee
- Should be able to filter toxic gases, fumes, odours and powders
- True Filter life time
- Automatic filter breakdown alarm
- Configure the filter to suitable application
- High retention capacity
- Low energy consumption
- Easy to relocate in the lab
- Emission Concentration with Filter exhaust should be <1%
- No direct emission of pollutants into atmosphere

**Specifications:**

1. Air flow meter: Should control air face velocity between 0.2-0.6m/s
2. Internal lighting should be fluorescent lighting <25watt
3. Continuous flow monitor with warning alarm
4. Programmable timer
5. Port for detecting saturation
6. Anti corrosion metallic structure with anti acid coating
7. Prefilter
8. Fan module
9. Non conductive, chemical resistive and Easy cleanable worktop
10. Class II filtration biosafety cabinet
11. Modular filtration columns for chemicals
12. Dimensions: W X D x H: 45" x 30" x 30"

**Optional Items: Any additional accessories required to complete the system to be quoted.**