

# Filterfit benchtop extraction unit

## Description

The FFBEU benchtop extraction units are designed specifically for laboratories and pharmacies, for the containment of hazardous airborne particles. The units provide high efficiency particulate filtration for eliminating residual dust, allowing the air to be recirculated inside a room

## Construction

The units are constructed from galvanised steel with a powder-coated white finish, for corrosion protection. Stainless Steel Constructions are available on request.

The units include pre filters and final filters which are accessed easily from the front of the unit.

Depending on the size of the enclosure, the units come with either one or two variable drive forward curve centrifugal fans. A constant airflow and velocity is maintained with the aid of an automatic speed controller working in tandem with an air velocity sensor. Velocities can be adjusted to suit the desired conditions. The sensor includes a digital read out for visual indication of the velocity.

The units incorporate a workspace confined in a clear perspex enclosure to minimise any proliferation of particulates from the confinement. The air is recirculated back into the room, upward away from the work space



by a unidirectional louvre.

There are 3 standard manufactured units designed to sit on a desk or bench top. Custom mounted designs are also available on request.

## Filtration

Depending on customer requirements , a semi absolute or absolute grade final filter is installed behind disposable panel pre filters.

Each Absolute filter is individually tested and certified to achieve a minimum efficiency of not less than 99.99% to 0.3 micron particles.

## Fan details

Motor - EW external rotor motor with suspension both sides (extremely favourable noise and structure borne noise values.)

## Bearings

Calotte sleeve bearings with a medium life expectancy of 15000 h.

## Electricity Supply

Single phase 50HZ, 230V.

## Fan

200W, 0.88A.

## Noise Level

Max 65 DBA