



BEU Bench mounted Extract Unit

Bench Extract Units (BEU) help to protect operatives from the effects of impurities such as fumes, dust and smoke released into the local working area. Where the predominant fumes or particles are more buoyant than the ambient air, then overhead protection supply air can be introduced through a combined laminar flow panel and "AirJet" ensuring the breathing zone is kept free from contamination thus providing a healthier working environment.

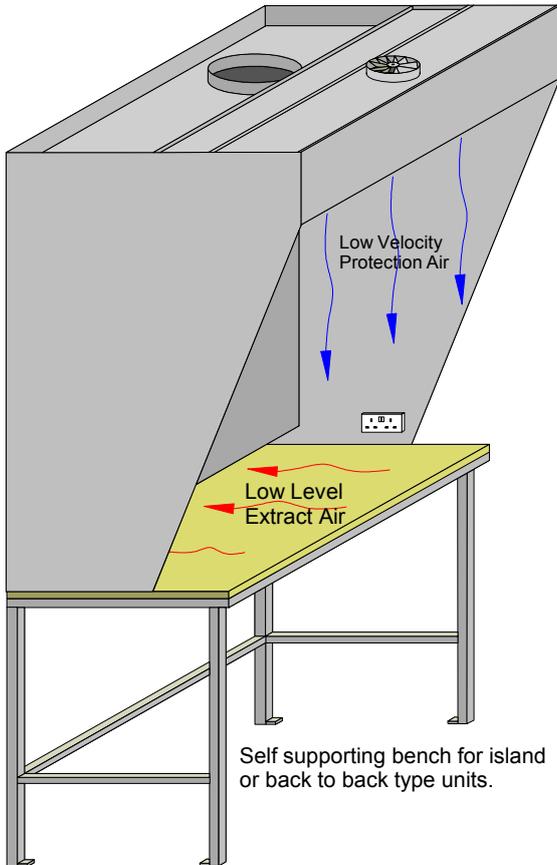
Unlike Safety Cabinets or Fume Cupboards the BEU allows for a much more open working space whilst still performing efficiently with reduced air flows. This is done by taking advantage of a phenomenon known as the "Coanda Effect" which is the ability of air to move faster or more easily along a smooth surface than that of open free air. When dealing with more dense than air fumes etc this is especially useful when coupled with the entrainment of surrounding air due to the high velocity extract slot at the base of the unit.

Standard Features include:
 Pressure measurement tappings for commissioning.
 Integral sliding plate air flow control dampers.
 Circular connection spigots.
 Removable internal baffles for ease of cleaning.

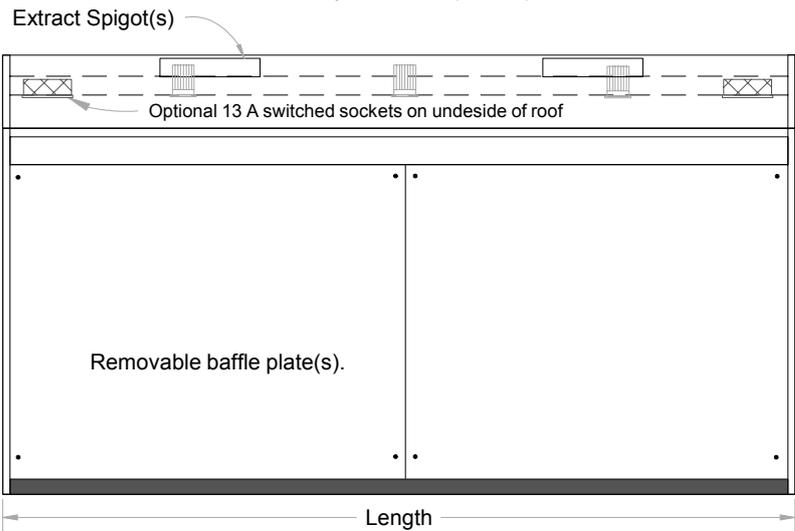
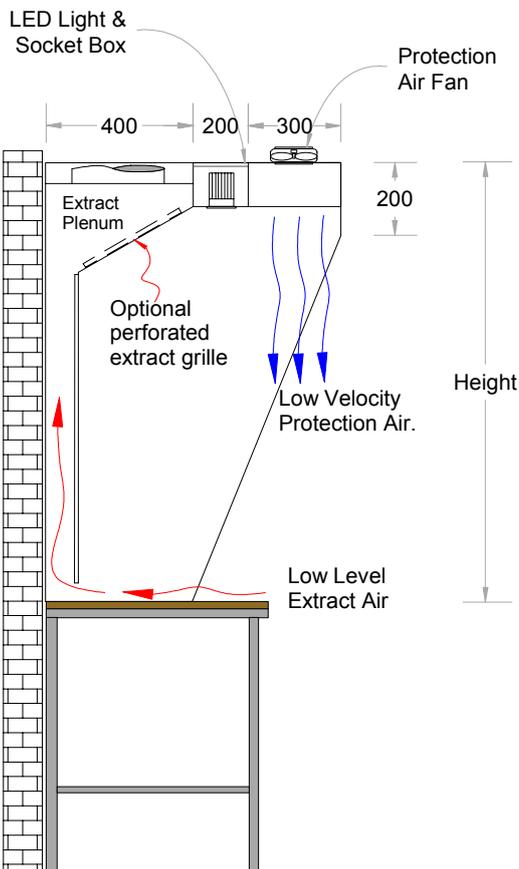
Options:
 Integral cool running LED light fittings, pre-wired.
 Removable Lighting panel.
 13A Switched Sockets. (Double or Single)
 Factory fitted light switches.
 "AirJet" system and Laminar Flow Panel.
 Full length Perforated high level extract grille for enhanced performance of buoyant fumes etc.
 Structural bench to support the BEU.
 Protection Air fan.
 Integrated Horizontal extract duct.
 Extended Side panels.

Specials:
 Bespoke units can be manufactured to suit any specific requirements including dimensional restrictions or performance variations.

Materials:
 The standard construction is from Zintec Mild Steel with Polyester Powder Paint finish RAL 9010. Other materials such as stainless steel or Aluminium are readily available upon request.



Self supporting bench for island or back to back type units.



Standard Dimensions:

Length	Height	Depth	"AirJet"	Spigot(s)
1000	1200	600	300	1 x 250
1200	1200	600	300	1 x 250
1500	1200	600	300	1 x 250
2000	1200	600	300	2 x 250
2500	1200	600	300	2 x 250
3000	1200	600	300	2 x 250

