

# HORIZONTAL LAMINAR FLOW BOOTHS

The Horizontal Laminar Flow Booth's controlled, once through, non turbulent air flow ensures extra environmental safety and good operator protection from dust and fumes. Available in standard sizes up to 4m wide the ergonomic design of the Hosokawa Laminar flow Booths allows a wide range of containers to be handled either manually or automatically.

Individually designed to meet specific requirements the flow booths are supplied with integral fan/ motor systems with equipment zoned according to area classifications.

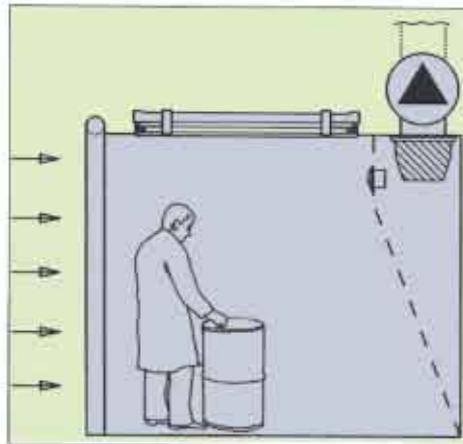
With optional inbuilt exhaust filtration or connection to local dust collection systems the laminar flow booths offer a safe, clean air facility for applications such as product charging and discharging, filling and weighing, inspection and dispensing, CIP work and also the pumping or dispensing of liquids or solvents.



Laminar Flow Booth incorporating Keg Filling and Transfer Station ▲

## Drum Handling

Automatic and manual drum or keg tipping equipment available from Hosokawa Vitalair and Stott offers safe product transfer. Product tipping units can be integrated into Laminar Flow Booths, Down Flow Booths or Glove Box facilities and are suitable for handling fibreboard kegs, plastic or steel drums up to 200ltr and 250kg.



▲ Typical lay-out of Horizontal Flow Booth

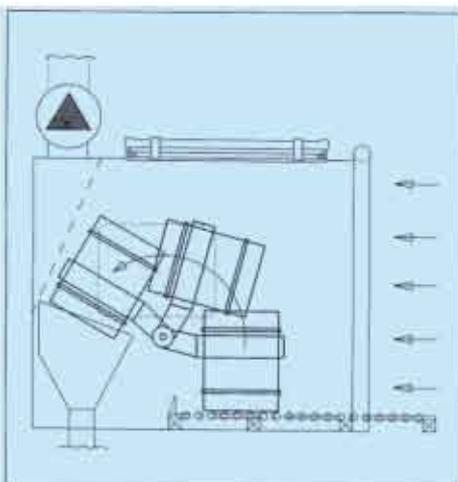
Air is extracted at the back of the booth through a full rear plenum designed to give a laminar pull of air to 0.5 m/sec across the open front face access and thus creating a non-turbulent air flow pulling away any product emissions from the work area and operator.

Laminar Flow Booth used for safe transfer of liquids. Transfer pipes can be incorporated in the ceiling. Booth manufactured from epoxy coated mild steel or alternatively stainless steel.

Booth side faces can include pneumatic or manual doors for drum entry and removal, and to correspond with others external roller conveyor.



▲ Manual keg-tipping unit in a Laminar Flow Booth ▲



▲ Drum Filling in a Mobile Laminar Flow Cabinet with product exit door