



Hosokawa Micron Ltd Announce New Composite Downflow Booth Design

Hosokawa Micron Ltd can now offer customers a further option in Downflow Booth design and construction in addition to their existing range of clean air workstation variants. The new modular design Downflow Booth can be constructed using a new composite material, rigid polyurethane foam (PUR/PIR) which has significant advantages over conventional double skin construction method.

This proven new composite wall and roof panel design uses metal faced sandwich panels with rigid polyurethane foam core that bolt together quickly and simply to give a rigid structure that is both strong and durable. Using this new lightweight construction material has significant end user benefits as it has excellent insulating properties which aid both soundproofing and thermal insulation. Temperature regulation is easier because of the low heat losses meaning temperature sensitive operating environments can economically be kept at the correct temperature.

Each composite panel has an 80mm, CFC free internal core of fire resistant PUR/PIR with outer metal panels finished with a food safe laminate. PUR/PIR is strong and durable but the panels are lightweight and quick to install using hidden self

locking system eliminates the need for traditional nuts and bolts. The roof can be designed to hold the weight of two men (200Kgs) in any position. Modular composite panel design can offer increased booth widths.

Offer significant advantages in terms of flexibility of positioning of internal equipment, windows, doors and ports due to the tensile strength of the material and ease of cutting, moulding and frame sealing. This feature means that cables can be incorporated within the composite panels reducing ledges, grooves and ridges that could harbour powder residue.

Whether customers require a standalone Downflow Booth or complete clean air processing lines or separate dispensing facilities Hosokawa Micron Ltd engineers can now offer a fresh alternative for those seeking flexible contained processing options that are quick and easy to install.



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