

## Accessible Gases Outlet Enclosure (for Cleanroom applications)

On a recent project we were faced with the problem of providing a number of gases outlets within a Grade C fully vinylated facility.

Each gas service was required to have an individual isolation valve, and had to be accessible from within the room. The enclosure for the gases outlets had to be fully airtight so as not to jeopardise the integrity of the rooms' cleanliness.

The solution we arrived at is shown below in Fig 1.

The enclosures were designed with a lockable hinged front hatch which allowed the users to isolate the gases individually rather than having isolation valves outside the area.

Inside the enclosure each gas service was fitted with an 8mm 300mm long flexible connection to allow the hinged front to be opened.

Enclosures were designed for between 1No and 5No gases outlets.



Fig 1 - Gas Outlet Enclosure  
(5No outlet type Enclosure)

Gas Outlet Enclosure in Class C room

### Key Benefits:

- **Allows full access to isolation valves on each individual outlet without the need to shut down more than one outlet in the facility at any one time.**
- **Allows isolation to be carried out without the need to access ceiling voids, plant rooms etc.**
- **Airtight construction ensures that the cleanliness of the room is not jeopardised**

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