



Weighing Isolator installed at Janssen Pharmaceutica, Belgium

Extract Technology has recently completed a successful project with Janssen Pharmaceutica in Geel, Belgium for a multi-product (active compound) Dispensing Isolator that was required to provide operator protection to a level of $<30\text{ng}/\text{m}^3$.

Following the successful installation and commissioning of the system, independent validation was performed, resulting in an actual containment level of $<5\text{ng}/\text{m}^3$ during normal use.



The Extract Dispensing Isolator was identified as a critical requirement in an existing production plant, to replace the personal protective equipment that was being used when weighing active compounds.

This project started life as a design study culminating in a full-scale wooden mock-up of the proposed design allowing a full review of the process and operator interface to be undertaken.

Following this, Extract Technology was awarded the contract for a twin-chamber Containment Isolator which includes:

Pneumatically-actuated drum manipulation device; inflatable drum seal; Alpha/Beta port; split butterfly valve contained connections; weigh scale; fully automated CIP system incorporating hand lances; rotary sprayballs, and atomising nozzles and pipe/valve manifold.

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The operation of the Isolator was controlled by a purpose-designed PLC-based control system which stepped the operator through the dispensing process, including the automatic inertion/aeration of the chambers, the CIP sequence and the control of the chamber pressures, providing one of the most complex isolation systems undertaken by the Huddersfield site.

Janssen Project Manager, Willy Van Den Brande, commented at the end of the project, that *“the efforts of the Janssen/Extract project team had resulted in not only a first class installation but also the provision of a containment level better than we could have hoped for”*.

Ends...

Extract Technology of Huddersfield, UK, manufactures Downflow Booths, Isolators and Pack-Off Systems for the pharmaceutical industry. Extract Technology is part of the US-based private investment firm, Insight Equity, which acquired the Walker Group (parent group of CPS, former owners of Extract) on 6th October 2006.

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