



Isolator for Reactor Charge

Barrier isolators allow to charge very high active product into process equipment as reactors and filters dryers. The isolator is installed on a wireframe structure for its easy placement.

Activities are performed by working through glove ports installed on front windows: circular or oval glove ports may be adopted for the best ergonomics for the operators.

The control system of the isolator and the process equipment are connected together in order to assure the correct and safe use of the system.

Product to be discharged and any tool required for operations are introduced via a ventilated pre-chamber or RTPs. An interlock system prevents simultaneous pre chamber doors opening.

Operator and environment protection is assured by extracting air from the glovebox through an HEPA filter by means of a dedicated suction system.

Containment levels down to $0,1 \mu\text{g}/\text{m}^3$ may be reached.

Glove box purging is possible, with increased product protection.

Cleaning of the isolator is performed by means of sprayballs and washing gun, according to necessities.

TECHNICAL DATA

Dimensions

According to process requirements

Material

AISI316L

Gasket

EPDM - Silicone

Surface roughness

< $0,40 \mu\text{m}$ contact parts

< $0,80 \mu\text{m}$ non contact parts

Working pressure

-100Pa (adjustable)

Filtration

HEPA filters with efficiency H13/H14

Cleaning

Sprayballs and washing gun

Containment level

OEL (8hTWA): $0,1 \mu\text{g}/\text{m}^3$

ATEX classification

II 2GD (when required)

Headquarters

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Production and Test Facilities

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