



Capsule Filling Isolator

The isolator is composed by a single chamber where the capsule filling machine is installed.

RTP is adopted for product introduction into the isolator. Pre-chamber can be adopted as alternative.

The viewing panels are mechanically clamped or hinged and openable upwards, by means of pneumatic cylinders.

Circular or oval glove ports with double groove for safety change of gloves during operations.

A specific designed interface assures to maintain the process performance of the capsule filling machine.

The main chamber is equipped with an on board extraction system with dedicated fan and HEPA filtered air (inlet /outlet).

A de-dusting system with HEPA filters is installed inside the chamber preventing the installation of external system (which usually poses containment problems). Also vacuum line is HEPA filter protected.

The system is equipped with a washing line comprising a liquid supply, a spray gun, a drain line, to assure the drainage of the liquid.

OEB5 containment level.

Filled capsules exit through RTP or dedicated line fitted with liner system or split butterfly valves.

TECHNICAL DATA

Dimensions

About 1000x1000x900mm for the main chamber

Filters

HEPA 99,997% MPPS – H14

Materials

Structure: AISI316L

Static gaskets: EPDM or Silicone

Inflatable gaskets: Silicone

Gloves: Neoprene / EPDM / CSM

Lighting

Dedicated LED lamp with about 500lux

Surface roughness

< 0,50µm – contact parts

< 0,80µm – non contact parts

Containment level

CPT: <1µg/m³ (8hTWA)

Control system

PLC type Siemens S7

Headquarters

F.P.S. Food and Pharma Systems S.r.l.

Via Vandelli,20 - 22100 Como (CO) - Italy

Tel. +39 031 543429 - Fax +39 031 540885

info@foodpharmasystems.com

Production and Test Facilities

F.P.S. Food and Pharma Systems S.r.l.

Via Romagnoli, 3 - 29017 Fiorenzuola d'Arda (PC) - Italy

Tel. +39 0523 984930 - Fax +39 0523 240218

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