



## PILOTMILL-4

The PILOTMILL-4 jet mill is designed for product development needs, where batches from 5g to 60kg are considered. It is available in top and bottom discharge configurations.

The PILOTMILL-4 is the result of an unparalleled optimisation study that involved the milling chamber, the nozzles and the classifier. All connections of components have been done in order to be in compliance with cGMPs to assure quick and easy assembling and disassembling operations. The number of components has been reduced at minimum in order to make easier and faster also cleaning and validation activities.

The PILOTMILL-4 is available with volumetric or gravimetric feeder, cloth bag separation filter, manual control panel and data recorder compliant to CFR21 Part11.

The PILOTMILL-4 may be easily integrated into glovebox system to allow the process of very high active or sterile products. At FPS R&D and Test centre it is possible to perform technical trials with your products and FPS jet mills.

## TECHNICAL DATA

### Dimensions

4" milling chamber

### Material

AISI316L / PTFE / Ceramic

### Gaskets

PTFE – FEP/Viton - Silicone

### Surface roughness

< 0.25mm – contact parts

< 0.80mm – non contact parts

### Batch size

Minimum 5g – Maximum 60kg

### Productivity

Minimum 50g/h – Maximum 18kg/h

### Yield

>99.5% (depending on batch size)

### Gas consumption

22 Nm<sup>3</sup>/h (@7barg supply)

37.8 Nm<sup>3</sup>/h (@12barg supply)

### Working pressure

From 2 up to 12barg

#### 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

#### 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