



QMILL-2: The jet mill alternative to mechanical mill for laboratory need

The QMILL-2 is designed as the alternative to mechanical milling for cosmetic, chemical and pharmaceutical powders for R&D laboratory needs: the limited amount and the high value of material available during early development stages asks for the use of equipments specifically designed. The QMILL-2 has been engineered in order to give higher product yield to encounter all of these needs:

- 1g is minimum batch micronised with QMILL-2
 - Recovered product: more than 80%, starting from 0.2g batch
- Despite the reduced dimensions, this jet mill keeps the same performances and advantages of bigger QMILLS.

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 QMILL-2 is able to assure full scalability of micronisation process with other FPS jet mills. The PSD (Particle Size Distribution) and product characteristics obtained with the QMILL-2 could be scaled up and be reproduced on larger FPS Pilot and Production systems.

The QMILL-2 may be easily integrated within a FPS isolator system for the safe handling and processing of high potent or toxic products.

At FPS R&D and Test centre it is possible to perform technical trials with your products and FPS QMILL-2.

TECHNICAL DATA

Dimensions

2" milling chamber

Material

AISI316L

Gaskets

PTFE – FEP/Silicone

Surface roughness

< 0.25µm – contact parts

< 0.80µm – non contact parts

Batch size

Minimum 1g – Maximum 3kg

Productivity

Minimum 0.01g/h – Maximum 1kg/h

Yield

>80%

Gas consumption

11.4 Nm³/h (@7barg supply)

19.5 Nm³/h (@12barg supply)

Working pressure

From 2 up to 12barg

Headquarters

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Production and Test Facilities

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