TECHNICAL DATA SHEET

SPIRAL JET MILL

LaboMill1- 08.20

LaboMill-1

The limited amount and the high value of material available during early development stages require equipment specifically designed to give high yield. The LaboMill-1 spiral jet mills together with the LaboFeeder-TS are the answer to R&D laboratory needs for micronization:

The LaboMill-1 have been engineered for high product yield:

* 0.2g minimum batch size,
* Recovered product: 99.8% yield (lactose batch>20g).

Despite its reduced dimensions, this spiral jet mills performs the same as larger jet mills (same reliability and repeatability). It is the result of FPS unparalleled optimisation work for the milling chamber, the nozzles and the classifier.

All components are cGMP compliant to assure quick and easy assembly/disassembly, cleaning and validation.

The LaboMill-1 assure full scalability of micronisation process with larger FPS jet mills. The PSD (Particle Size Distribution) and product characteristics obtained with the LaboMill-1 can easily be scaled up.

Take advantage of our Micronisation Excellence Center (MEC) and let our PhD staff run trials with your products to reach your size reduction goals.

TECHNICAL DATA

Dimensions
1" ½ milling chamber

Material
AISI316L / PTFE / Superlattice

Gaskets
PTFE- FEP/Viton-Silicone

Surface Roughness
< 0,25 µm- contact parts
< 0,80 µm- non contact parts

Batch size
Minimum 0,2g- Maximum 100g

Productivity
Minimum 3g/h- Maximum 80g/h

Yield
88% (batch 0,2g) - 99,8% (batch >20g)

Gas consumption
5 Nm^3/h (@7barg supply)
8.6 Nm^3/h(@12barg supply)

Working pressure
From 2 up to 12barg

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FPS CONTAINMENT MILLING MICRONIZATION