

J-20, J-25 & J-30 Series

Fluid jet micronizers designed for 'R & D'

<u>Jet mill systems</u> are the ideal choice for micronising pharmaceutical powders down to 1 micron in size.

{xtypo_info}Especially developed for pharmaceutical applications, the **J-20**, **J-25** & **J-30** Fluid Jet Micronizers are designed for laboratory and R & D works.{/xtypo info}

Based on the intuitive and highly efficient jet milling technology developed by **Technologica**

Meccanica (Italy), the

20

J-25

&

J-30

series of

Fluid Jet Micronizers

are capable of yielding extremely narrow tight particle size distribution (PSD) curves of d100<5 μ m (100% below 5 μ m) and d99<3 μ m (99% below 3 μ m) or even less depending on the nature of the product.

{faq inline/tabs}

Profile

The J-20 'laboratory' fluid jet micronizer has been designed on the

The J-20 works at a constant temperature (endothermic) and ind {xtypo quote} Thanks to Jt=20 nodular design concepts the spantaled, on red-25, to the or

Features

- Processing batch sizes ranging from 0.2 to 100.0 g
- •Minimum batch of 50 mb/hidlithram Kit' configuration
- Productivity from 0.50 to 100.00 g/hour
- •One single collecting point
- Scalability of the process to bigger micronizers
- •Metal contamination below 1 PPM (particles per million)
- •Two different filter sleeve sizes
- •Two different collecting bin sizes
- •Quick and easy assembling and disassembling of the system with a limited number of clamped compor
- •Simplicity of the whole unit
- Miniaturized dimensions
- •Equipped with a skid-moreus Gas Generator for feeding treated gas to the jet mill
- •The J-20 is manufactured in AISI type 316L (EN 1.4404) stainles

Benefits

Ability to micronize very sutilibity hazatokiets/samples from flog 2 ratio no) ravits (ewept-200 untilios stree extremely narrov

Pharmaceutical laboratories all over the world are concentrating their research efforts on new molecules

Until recently, researchers had to settle for R&D fluid energy jet mills able to micronize batches starting

Technical Specifications

Milling Chamber: J-2

- •Process gas at 7 bar=0.08 m3/min (2.82 CFM)
- •Process gas at 12 bar=0.20 m3/min (7.06 CFM)
- •Estimated capacity=from 0.50 to 100.00 g/hour

Milling Chamber: J-25

- •Process gas at 7 bar=0.14 m3/min (4.94 CFM)
- •Process gas at 12 bar=0.24 m3/min (8.47 CFM)
- •Estimated capacity=from 5.00 to 300.00 g/hour

Milling Chamber: J-30

- •Process gas at 7 bar=0.17 m3/min (6.00 CFM)
- •Process gas at 12 bar=0.28 m3/min (9.89 CFM)
- •Estimated capacity=from 5.00 to 600.00 g/hour

Numerous configurations are available and can be offered to tailor our micro

The following options are already available:

- J-20 with a ' milligram kit
- •Single and double screw feeders
- •Low Emission version filte 40 with Hepa filter ()
- Automatic shaking system
- Balance line

Options

- •Cold/cryogenic process Jg 26- CARMON ()
- J-20 . J-25
- Explosion proof version
- •Totally contained solution in a glove box

Gallery {gallery}J202530{/gallery} See it in Action! {flv}video |600|450|{/flv}

{/faq}

Find out more about <u>Micronization Technology</u> and its advantages to your applications below:

{faq inline/sliders} What is Micronization Technology?

Micronization Technology is a term that refers to the complex process of producing highly-refined por

Generally, this is a complicated and rather expensive process with wide applications in various fields, pa

How Does Micronization Technology rk?

Process powder is fed tangentially at subsonic speeds (approximately 50 m/s) into the flat cylindrical mil

{flv}venturi |600|450|{/flv}

The micronizing effect occurs when the slower incoming powder particles and the faster particles in the

Watch the micronization effect in a jet mill below:

{flv}jetmill |600|450|{/flv}

This process works at a constant temperature (endothermic) and independently with the lowest consum

The Particle Size Distributi(PSD) is controlled by adjusting two marks are represented by adjusting the represented by adj

• FEED RATE : The concentration of product fed into the milling chamle

The Fluid Jet Micronizer Advantages

- Enhanced hi-tech milling chamber geometry
- · Nozzles designed for laminar jet streams and available with different grinding angles
- · Optimized static classifier
- Elimination of the "caking" of sticky powders
- Narrow Gauss curve (particle size distribution)
- · Lowest gas consumption on the market

- Elimination of the "blowback" phenomenon
- Optimised gas-solid separation and unique collecting point with yields close to 100%
- Balance and control of pressures within the whole micronisation system
- Reduction of contact surfaces rapid cleaning and lower product loss
- · Easy cleaning and validation operations
- Sterilizing system with hydrogen peroxide solution
- · Inexpensive and easy to operate
- Capable of processing products with high solvent content (around 3000 ppm)
- Capable of processing sticky powders that do not flow well

Find Your Fluid Jet Micronizer Solution

Tecnologia Meccanica has over 40 years expellion Technology . It currently manufactures Fluid Jet Micronizers

Each size caters for a different requirement, depending on your application. If you are at all unsure or re

To browse each solution Fisited Des Milet your desired es distribution the available

J-20, J-25 & J-30 Series The capacity is from 0.5000/hourfd 100.00 g/hour, suitable for la

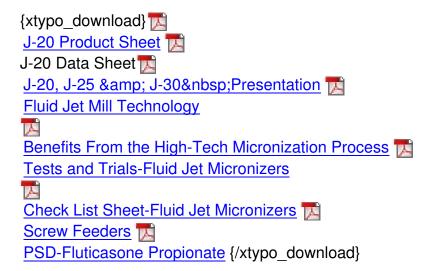
<u>J-100, J-125 & D-150 Series</u> The capacity is from 0.5 აქსის სიკონის სიკონის

J-200, J-300 & amp; J-400 Series The capacity is from 0.500 does 500 to kg/hour, suitable for medium to

J-500, J-600, J-750 & J-7900 capricity is from 0.50 to ta500.90 (dxg/horer, instinited based on large production appl

{/faq}

Download Brochure:





Specializzata nello sviluppo e nella produzione di MICRO Specialized in the development and manufacturing of FLUID JET N