

Micronizing  
**MC DecJet® 200**  
Production Scale



- Hundreds of installations worldwide
- Most advanced jet mill on the market
- Effective with more products than any other jet mill available today
- Highly efficient
- Single pass technology
- Handles sticky, abrasive and very hard products
- Scalable product range
- Easy to clean, absence of screws
- Accurate reproduction from development to production

# Micronizing MC DecJet® 200 Production Scale



The MC DecJet® 200 is the next step up the scale from the laboratory units, suitable for micronizing up to 40 kg per hour.

## Technical features

### High grade materials

AISI type 316L stainless steel mirror polished to RA 0.25 microns or Hastelloy

### Rapid cleaning and easy validation

Ease and quickness in assembling and disassembling, as well as a limited number of components

### The simplicity of the whole unit

Total absence of screws (replaced by tri-clip connections), no crevices, smooth and regular surfaces

### Very low production loss

- Typical yields are 99.5 % of batch size, no blow-back phenomenon, limited caking of

sticky powders

- One single collection point

### Further advantages

- The lowest consumption of process gas of similarly sized units available on the market

- Process at constant temperature (endothermic)

- No heat generation

- Easy scale up maintaining the same PSD (Particle Size Distribution)

### Options

- Volumetric or gravimetric pharma execution feeder with various hopper dimensions available

- Jet mill in top or bottom discharge configurations

- Special internal linings: Stainless steel, PTFE, PUR (Volkollan), ceramic, titanium nitride

- Sanitary rotary valve for production collection

- CIP and SIP systems

- Explosion proof systems (10 bars pressure resistant or burst disk)

- System fully automated by PLC with full batch reporting

- Integration of PAT technology, in-line particle size analysis

- Hazardous area versions available in compliance with US and ATEX standards

### Alternative versions

Simplified versions based on the same pharma concept can be customized for other applications:

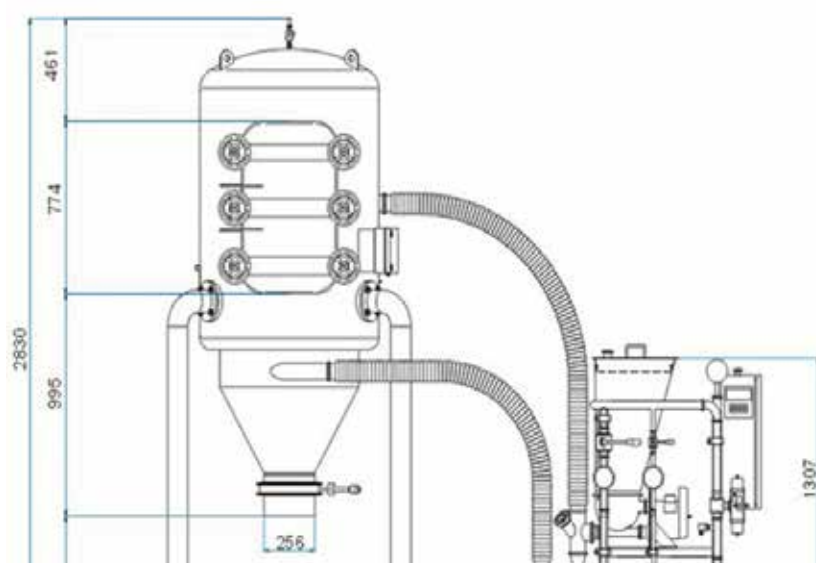
- Fine chemicals

- Cosmetics

- Food

## Technical Data

Nominal diameter	Estimated capacity	Batch size	Process gas @ 7 bar	Process gas @ 12 bar	Installed power
200 mm 8 inches	1 kg - 40 kg/h	1 kg - 1000 kg	1.59 Nm <sup>3</sup> /min (56.36 CFM)	2.738 Nm <sup>3</sup> /min (96.69 CFM)	1.2 kW 1.6 HP



MC DecJet® - patented technology



Powder Handling Excellence

