

# Micronizing MC DecJet® 400

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® 400

Production Scale



MC DecJet® 400 is a production scale unit, suitable for micronizing up to 400 kg per hour.

## Technical features

### High grade materials

AlSi 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

### Simplicity of the whole unit

Total absence of screws (replaced by tri-clover fittings), 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

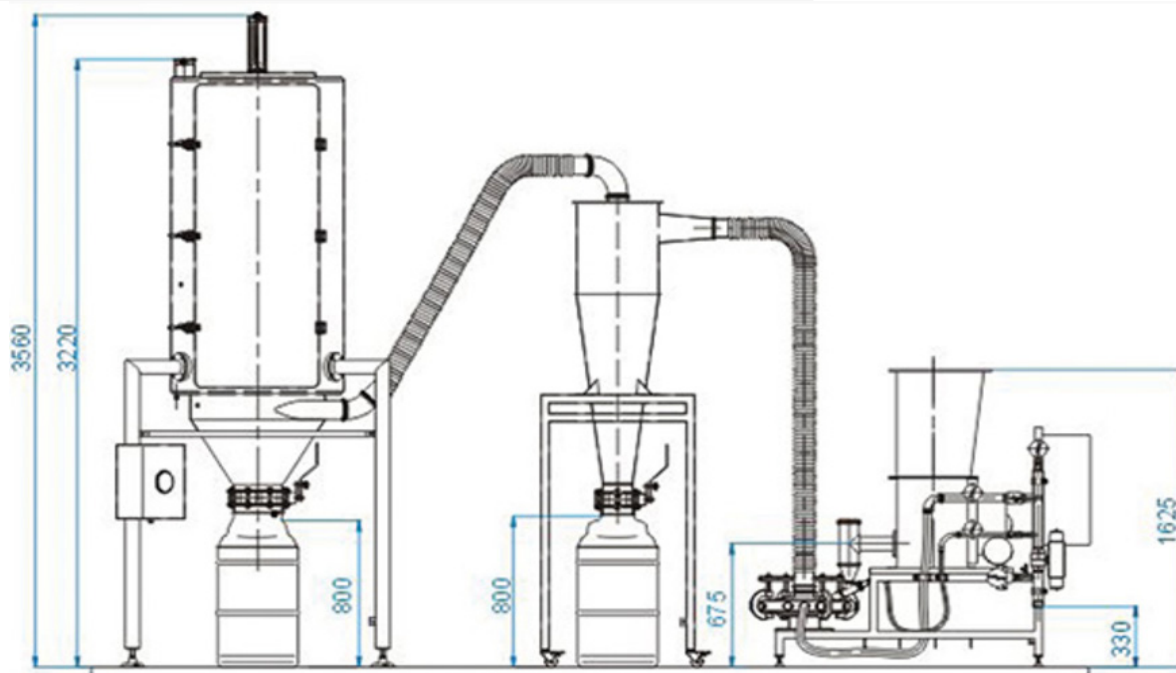
## Alternative versions

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
400 mm 16 inches	10 kg - 400 kg/h	10 kg - 3000 kg	6.99 Nm <sup>3</sup> /min (246.85 CFM)	11.98 Nm <sup>3</sup> /min (423.07 CFM)	1.5 kW 2 HP



MC DecJet® - patented technology

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Powder Handling Excellence

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