

# Micronizing MC DecJet® 100

Pilot 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® 100

Pilot Scale



The versatile and compact MC DecJet® 100 is designed to satisfy the needs of laboratories and small scale production.

## 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-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
- Special internal lining: 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

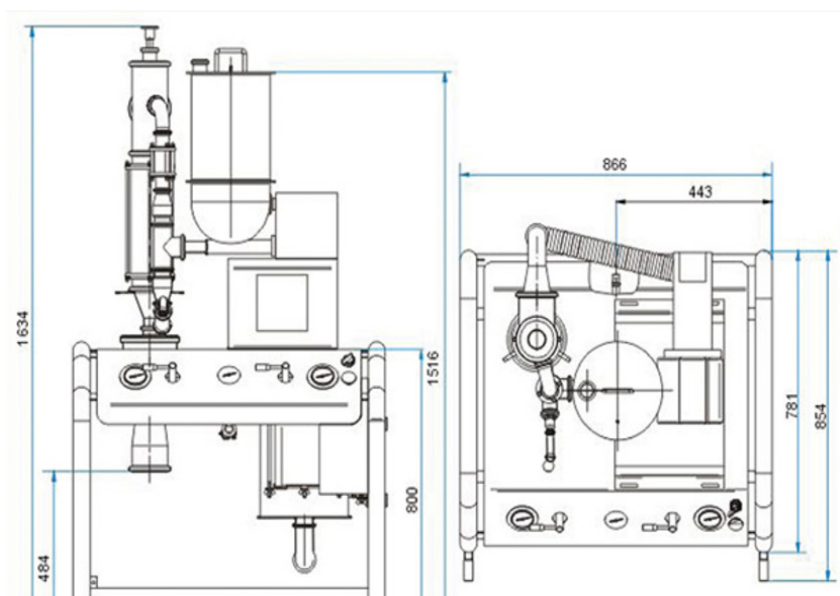
## Alternative versions

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
100 mm 4 inches	50 g - 5 kg/h	3 g - 20 kg	0.412 Nm <sup>3</sup> /min (14.55 CFM)	0.706 Nm <sup>3</sup> /min (24.93 CFM)	0.25 kW 0.33 HP



MC DecJet® - patented technology

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**Powder Handling Excellence**

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