



NEW

SPIRAL JET MILL: 200 AS BASELINE

Your access to the fine world



HOSOKAWA ALPINE

Process technologies for tomorrow.



- »» **EUROPEAN SAFETY STANDARDS**
- »» **100% MADE IN GERMANY**
- »» **INTERNATIONAL PHARMA STANDARDS**

*Produce high-quality products at an affordable price.
Improve your machine park with the new spiral jet mill 200 AS BASELINE.*

SPIRAL JET MILL 200 AS BASELINE FOR ULTRAFINE MICRONISATION

High-end powder production. Made in Germany! Made affordable!

Hosokawa Alpine has been setting the standards in the field of micronising and dispersing of APIs for decades and became the preferred supplier of the big international pharma companies when it comes to milling technology and especially spiral jet mills.

The brand new SPIRAL JET MILL 200 AS BASELINE raises a well-known and proven technology onto a new level of ultimate cost efficiency, focusing on improved usability, clever design and full cGMP compliance. The 200 AS BASELINE is available at an extremely attractive price range – compatible with your local market needs.

KEY FEATURES OF THE NEW 200 AS BASELINE

- State-of-the-art design results in superior usability
- cGMP design allows good cleanability with all relevant parts in AISI 316 L and FDA approval
- Complete set of pharma documentation
- Plug-and-play design for immediate use after delivery
- Improved ergonomics
- An innovative dosing system to feed the material directly from the raw material container
- All that in a very compact design and at an affordable price





OVERVIEW

1 MATERIAL DOSING: FLUIDISING INJECTOR LANCE

- › Avoids material dumping from transport bin to feed hopper
- › The dosing lance sucks material into the mill
- › Accurate and reliable mass flow rates of 5 – 40 kg/h
- › Vibrating plate and fluidisation air enhance the flowability of powders with poor flow behaviour
- › Easy to operate and easy to clean
- › Less dust and noise emissions

2 MICRONISATION: THE ALPINE SPIRAL JET MILL

- › Proven ALPINE monobloc design reduces the number of parts and allows quick assembly and perfect cleaning results
- › Modern, upright mill design enables easy opening of the mill for inspection and cleaning.
- › All parameters at a glance with the new working panel, easily and precisely adjustable
- › Exchangeable inserts reduce maintenance costs and allow the processing of difficult materials

3 200 AS BASELINE: PARTICLE SEPARATION

- › Product separation is done by a proven ALPINE high-performance cyclone
- › Product collection in a stainless steel drum
- › This allows product changeover in shortest time, no textile filters in contact with the product and high product recovery

4 ASPIRATOR

- › Filter bag manually cleanable
- › Simple and dust-tight attachment of product collecting bin
- › Cyclone-exhausted gas is filtered in an aspirator with integrated dust collection, HEPA filter and exhaust fan

TECHNICAL SPECIFICATIONS

TECHNICAL DATA

Chamber diameter	200 mm
Gas pressure range	2 – 8 bar (g)
Fineness range d50	1 – 40 µm
Nominal gas flow	150 – 200 Nm ³ /h
Dimensions (l/w/h) (without aspirator)	1.2x0.8x1.3 m
Power supply	230 V; 2.2 kW

REFERENCE PRODUCTS

Product	End fineness	Throughput
Celecoxib	90% < 23 µm	33 kg/h
Nifedipine	90% < 2.4 µm	8 kg/h
Progesterone	90% < 9 µm	20 kg/h
Diosmin	90% < 4 µm	8 kg/h
Omeprazole	99% < 5 µm	3 kg/h
Cosmetic powder	90% < 10 µm	15 kg/h



Do you want to explore the potential of this solution?
Contact: baseline@alpine.hosokawa.com

ACCESSORIES

Our range of additional options offers maximum flexibility to handle all kinds of challenges associated with daily micronisation: demanding product characteristics, regulatory requirements or the need to increase flexibility.

FEED EVERY PRODUCT

When screw feeding is the preferred solution for a particular task, the system can be modified to a conventional feeding arrangement with a double-screw feeder.

- › Injector lance is converted into an open hopper
- › Screw feeder can be placed on the installation table
- › 12-litre hopper with integrated bridge breaker
- › Manual speed adjustment mechanism

RECOVER THE ENTIRE BATCH

Reverse jet filters are the alternative where the efficiency of a cyclone separator is insufficient and a single collection point for the micronised material is the preferred solution.

- › Cylindrical bag filter with conical product outlet into stainless steel drum
- › Continuous pulse jet cleaning for interruption-free production

SCALE DOWN YOUR MACHINE TO R&D

Making the first attempts with new substances with low product quantities makes it possible to find the right settings with only small quantities. With a modification package, the system can be equipped to process small product quantities of one hundred grams only.

- › Manual product feeding into an open injector hopper
- › Special small-volume nozzle ring
- › Product separation directly downstream of the mill in a filter bag integrated into a stainless steel container





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