CONSIGMA®

Dosing and Blending (DB-LB) Modules

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GEA.com

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ConsiGma® DB-LB modules offer standalone continuous dosing and blending operations, using the GEA linear blender.

Designed to achieve optimal blending results, the ConsiGma® DB modules facilitate the testing of dosing and blending operations and can be integrated with any continuous up- or downstream process.

Depending on its configuration and the formulation, the system can achieve throughputs of 15 to 600 kg/h.

The Conductor 4.0 software ensures seamless control of the entire process and full reporting. Tracking of OOS and material genealogy can be integrated into the controls. Handshaking with up- or downstream equipment can also be offered.

ConsiGma® DB modules can be implemented in a wide variety of situations, including the following:

- Dosing and blending of external phase additions (lubricant) together with a pre-blend
- Dosing and blending of multiple (up to five components), also for poorly flowable materials.
- As an R&D module to investigate the dosing and blending process for NCE, orphan drugs or low-dose APIs
- As a dosing and blending unit combined with other continuous up- or downstream processes for both low dose and high throughput products, depending on the configuration.

The modules are suitable for ethical, CDMO, generic, nutraceutical or CMO operations.

Scope
- 2 feeder table options
- 1 or 2 linear blender (70, 120, 175 mm)
- Interface with customer equipment

Applications
- R&D of blending process
- Automated preparation of preblends
- NCE, Tier 2/3 ethicals

Main Benefits
- Lower cost to implement CM with existing press
- Efficient and robust blending
- Up to 600 kg/h

Standard Configuration
- 2 to 4 loss-in-weight feeders
- 70, 120 or 175 mm linear

Available Options
- Choice of feeder (GEA or qualified third-party supplier)
- Blend uniformity measurement with Lighthouse Probe®
- Customer selected tablet press (GEA or other – control interface to be clarified)
- OOS rejection
- Material genealogy
- 6 feeder table design
- 2nd linear blender (same diameter)

Cleaning

From simple cleaning options to systems for high containment applications, GEA offers a comprehensive range of cost-effective technologies for our ConsiGma® 4.0 modules. Working together, we can help you to select the most appropriate solution for your plant or line. Discover more in our “Cleaning Solutions for ConsiGma® 4.0” brochure. There’s a better way to meet your specific requirements.

For further information
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