

Solid Dosage
Processing

UltimaPro™-Eco Collette™ Single Pot Processing

Eco-solution for
organic solvent
based solid dosage
processing

- Easy and low-cost solvent recovery by condensation – reduction of waste;
- Safe processing of solvents using vacuum drying and inertization with minimal amount of nitrogen as explosion protection strategy;
- Flexible and fast processing;
- Allows PAT integration.



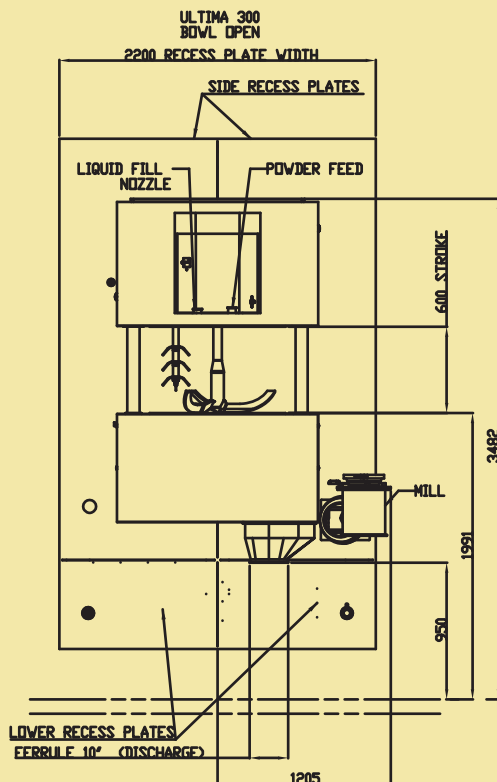
Collette™

UltimaPro™-Eco

Collette™ Single Pot Processing for organic solvent-based solid dosage processing

Typical Dimensional drawing

UltimaPro™ 300



Main benefits of UltimaPro™-Eco

- The use of vacuum drying eliminates the presence of oxygen in the bowl, thereby eliminating the explosion risk.
- Inertization using a minimal amount of nitrogen is used during mixing and granulation as an explosion protection strategy.
- As the process takes place within a vacuum, only solvent vapours are created during the drying process, making simple condensation the ideal way of reducing and eliminating solvent emission. The vacuum system of the UltimaPro™-Eco consists of a very efficient combination of condensers (chilled to an appropriate temperature for solvent condensation) and vacuum pumps to ensure both fast and safe drying and to minimise solvent emission and waste treatment.
- Single Pot Processing offers processing flexibility, thanks to the different drying options available, such as microwaves.
- GEA Pharma Systems is also experienced at integrating PAT solutions for online monitoring of the process using its Lighthouse Probe™ technology.

Suggested configuration for UltimaPro™-Eco

The UltimaPro™-Eco is a Single Pot Processor equipped with a very efficient vacuum system, allowing easy recovery of the solvent vapours up to 99.5%. Optionally, police condensers or active carbon filters can be integrated to eliminate all solvent emissions. The whole system is designed, executed and certified to comply with the ATEX guidelines. Vacuum drying is the basic drying technology with the option of microwaves for faster processing times.

Available sizes

10 l, 25 l, 75 l, 150 l, 300 l, 400 l, 600 l, 900 l and 1200 l.

Test Opportunities

The Single Pot Processing technology can be tested at the GEA Pharma Systems Process Development Center in Wommelgem.

References

GSK, Watson, Lek ...

www.geapharmasystems.com

GEA Pharma Systems - Collette™

Keerbaan 70, B-2160 Wommelgem, Belgium
Tel +32 3 350 12 11, Fax +32 3 353 20 55
collette@geagroup.com



GEA Pharma Systems