

Solid Dosage
Processing

UltimaPro™-HC Collette™ Single Pot Processing

High Containment
solid dosage processing
for oncology, hormone
and other highly
potent products

- Closed processing from dry blending to milling;
- Seamless integration of containment solutions for loading, sampling and discharging;
- Flexible and fast processing through vacuum and microwave drying options;
- Allows PAT integration;
- High yield.



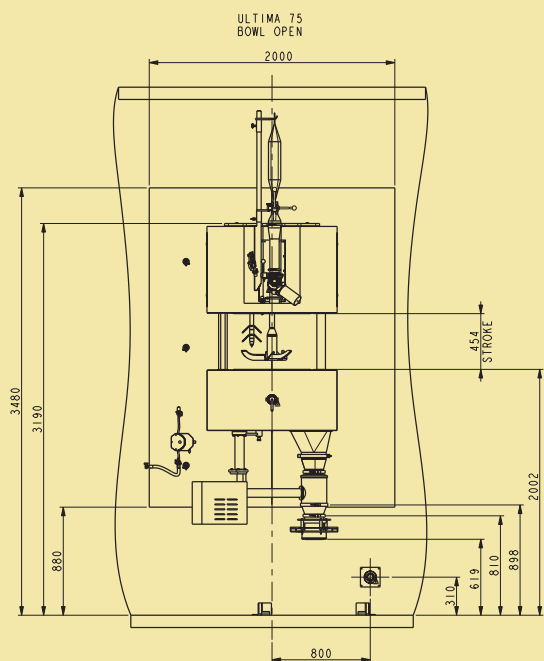
Collette™

UltimaPro™-HC

Collette™ Single Pot Processing for oncology,
hormone and high containment solid dosage production

Typical Dimensional drawing

UltimaPro™ 75



Main benefits of UltimaPro™-HC

- A Single Pot Processor combines the whole granulation process (dry blending, wetting, granulation, drying and milling) in one machine, so no product transfers are required, significantly reducing the risk of product exposure.
- Several solutions are available for loading, sampling and discharging, depending on the required containment level. GEA Pharma Systems is an experienced system integrator both with its own Hicoflex® and Buck® Valve technology and with containment valves from other manufacturers. A containment assessment based on the OEL of the product and the dilution factor can be done upon request.
- Single Pot Processing offers extreme flexibility for processing thanks to the different drying options available (vacuum, gas-assisted vacuum and microwave).
- The use of microwaves during drying increases yield by allowing optimisation of process conditions.
- GEA Pharma Systems is experienced at integrating PAT solutions for online monitoring of the process using its Lighthouse Probe™ technology, which avoids sampling during production.

Suggested configuration for UltimaPro™-HC

The UltimaPro™-HC is a Single Pot Processor equipped with appropriate containment tools for loading and discharging (Hicoflex®, MC valves, etc.); a full, validatable CIP system; contained sampling options or PAT for endpoint determination; and an optimised vacuum system with HEPA filter. Vacuum drying is the basic drying technology with the option of adding microwaves for increasing yield through optimization of the process parameters, reducing wet lumps and sticking.

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

ZydusCadilla, Ranbaxy, Bristol Myers Squibb, AstraZeneca, Towa, BoehringerIngelheimRoxane, Solvay, Schering, Pfizer, Gedeon Richter ...

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