

Encapsulation Unit – Var D

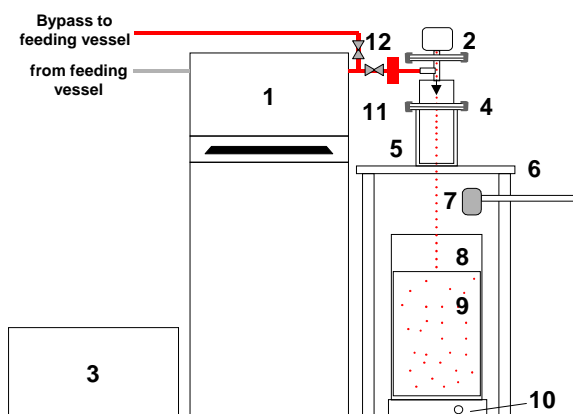
Continuous with Peristaltic Pump



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The encapsulation unit is best suited for the generation of microbeads using matrices, where gelling is based on interfacial coacervation (e.g. alginate, carrageenan and the like). The particular unit is further more specifically equipped with a low pulsation pump and a pulsation damper.



Legend:

- 1 Continuous Pump
- 2 Vibration Unit
- 3 Control Cabinet
- 4 Head with single Nozzle
- 5 Stroboscopic Light
- 6 Support for Head
- 7 Bypass System
- 8 Beaker for Hardening Solution
- 9 Hardening Solution with Beads
- 10 Laboratory Stirrer
- 11 Damper
- 12 Bypass to Feeding Vessel

* Designed for sterile production or for matrix with abrasive particles where a gear pump cannot be used.

The unit with its sophisticated multipurpose design and the flexible modular expandability has been tailored to the process developer's requirements. The modular approach in the design allows to change the unit repeatedly according to the changing requirements and to combine components delivered by us with equipment and devices already available in your laboratory.



Continuous pump

It is a dual headed peristaltic pump which thus works with low pulsation. With the specially developed glass damper the pulsation is almost zero.

Control cabinet:

Rack with display, four lines x 16 characters, programmable microcontroller for vibration control (choice ranges 160 to 3000Hz or 160 to 10'000 Hz). Power supply between 110 and 240 V AC automatically adjusting.

Available nozzles see flyer "Nozzles Sapphire"