

# MERIDION SprayCon LAB: FROZEN MICROSPHERES GENERATION IN LAB SCALE



## Main Features

- Generation of frozen microspheres from 300 µm up to 800 µm
- High precision prilling nozzle
- Peristaltic pump for substrate liquid feed
- Throughput approx. 300 – 1500 ml/h, droplet size dependant
- Cooling by LN<sub>2</sub>/double wall
- Insulation of process chamber
- Temperature profile mapping of process chamber
- Product collecting cone
- Removable product collecting container in lower compartment
- Control System: PLC based with HMI, touch display

## OPTIONS:

- Control System fully SCADA based, HMI: 15" Touchscreen
- WiP/CiP nozzles for contained cleaning
- Optical droplet counting (light beam)
- GN<sub>2</sub> inertization of process chamber
- Spray chamber elongation

## Technical Data

- Dimension (approx.) in mm 1100 x 1200 x 2650 (W x L x H, standard execution)
- Weight: approx. 1150 kg
- LN<sub>2</sub> consumption: 40 – 60 l/h
- Compressed air consumption: 20 – 30 m<sup>3</sup>/h (6 bar)
- 230 V AC/max. 3 kW

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