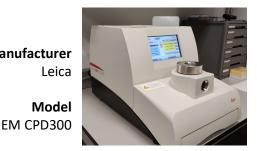


Manufacturer Leica



Critical Point Dryer



Critical point drying

The EM CPD300 is an automated machine to dry delicate samples for SEM applications. It preserves the surface structure of a specimen, which could otherwise be damaged, due to the surface tension when changing from a liquid to gaseous state. Before drying, many biological samples are prepared through fixation and dehydration.

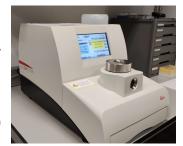
Technical specifications

- Fully automated and computer controlled by an integrated touch screen user interface (7")
- Highly reproducible sample preparation
- Minimal user interaction, with intuitive software
- Increased safety by cut-off P&T functions and waste separator module
- Store and recall drying programs
- Timer function and expected process time calculator
- Reduced CO₂ consumption and process time, using Teflon fillers
- Flexibility in sample size and variety of sample holders
- Chamber dimensions: 60mm diam. x 62mm H
- Max operation pressure 79bar (cut off 80bar)
- Heating range: from 30°C to 45°C (cut off >45°C)
 - Heating time slow: 1°C/min
 - Heating time medium: 2°C/min
 - Heating time fast: 3°C/min
- Cooling range: from 5°C to 25°C
 - Cool down time: 2°C/min
- Exchange fluids required: Acetone or Ethanol



Manufacturer Leica

> Model EM CPD300



Critical Point Dryer

Accessories:

- Waste separator (to avoid direct contact)
- Sample transfer basket with quick release pin
- Sample transfer basket rest
- Teflon filler of 1/3 volume
- Teflon filler of 1/6 volume (x2)
- Fine mesh specimen holder, with 4 slots for baskets (0,5mm mesh size, 1/3 volume)
- Fine mesh specimen baskets (x4, 0,2mm mesh size)
- Cover slip holder of 24 slips of 12mm diameter (0,5mm mesh size, 1/3 volume)



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