

LCFS

Instec's LCFS is an easy-to-use tool for filling two-port liquid crystal cells. The LCFS has room for filling three 12mm wide cells simultaneously. The cells are held securely in a vertical position with their filling port sitting flush on a clean glass slide.

Apply a small drop of liquid crystal on the glass slide near the cell opening and capillary action will draw the liquid crystal material into the cell.

The LCFS is easy to use and very affordable, making it a great entry-level tool.

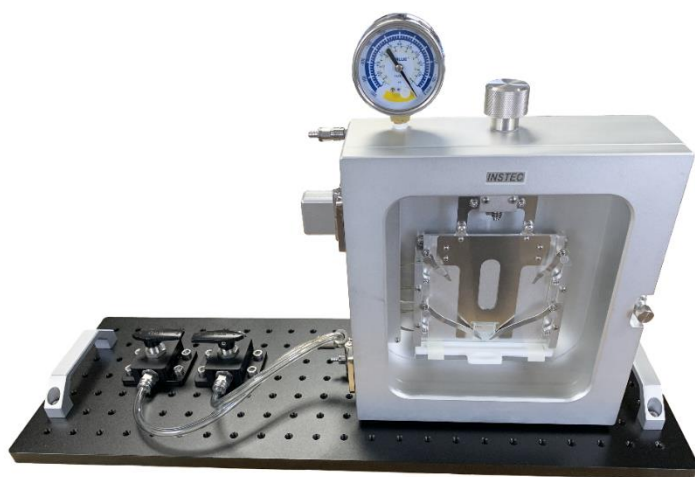


LCVCH

The LCVCH heated vacuum filling chamber is particularly useful when filling single-opening LC cells with viscous LC material.

The LCVCH operates by first loading, then heating the cell and LC material. Then, the chamber volume is evacuated. Using the knob on the top of the chamber, the cell is lowered into a bath of LC material, after which the chamber is re-filled with atmospheric gas. This action pulls the LC material into the cell, resulting in a fast and even fill.

The LCVCH can accommodate single opening Liquid crystal Cells up to 100mm by 100mm. Double-opening cells can also be sealed on one side using super glue. Included with the LCVCH chamber are two removable LC material baths, rubber sample clip feet, and a KF25 to push-to-connect adapter.



A complete LCVCH system consists of:

1. The LCVCH chamber
2. A vacuum roughing pump (Minimum flow rate of 6cfm)
3. mK2000 temperature controller
4. C100W benchtop chiller (Optional)

The chamber has a maximum sample temperature of 200C, which can make even the most viscous LC materials flow easily into the cell. Contact Sales@instec.com for more information on the LCVCH.

Part Number	Description
LCFS	Liquid Crystal Filling Station for double open-ended cells
LCVCH	Heated Liquid Crystal Vacuum Filling Chamber for single open-ended cells