

CAPILLARY FLOW POROMETER

Specifications:

Model	Innova iCFP-10	Innova iCFP-50	Innova iCFP-100	Innova iCFP-200	Innova iCFP-500
Standards	ASTM E 1294-89(1999) ASTM F316-03 ASTM E1288-99 ASTM D6767-02 BS 3321:1986 BS EN240003: 1993 BS7591-4: 1993				
Measuring Principle	Gas-Liquid Expulsion				
Max Pressure Range	10 PSI	50 PSI	100 PSI	200 PSI	500 PSI
Pore Size(Min)	0.5µm	0.1µm	0.06µm	0.03µm	0.013µm
Pore Size(Max)	500µm	150µm	80µm	80µm	80µm
Extended Pore Size Range(optional)	800µm (ER Option)				
Pressure Range Accuracy	±0.1% of full scale				
Sample Size Standard	5mm to 60 mm dia upto 40 mm thick				
Customized Sample Size	Available on Request				
Sample Shapes	Membrane, Paper, Filter Wick, Nob-Woven, Nonfibre(Electrospun), Hollow Fibre, PTFE membranes, Battery Separators, Geotextiles, Cartridges, Ceramics and many more				
Low Flow Rate	0-50sccm	0-50sccm	0-50sccm	0-50sccm	100sccm (Available on request)
High Flow Rate	200 SLM	200 SLM	200 SLM	200 SLM	200 SLM
Extended Flow Range	10 SLM	10 SLM	10 SLM	10 SLM	10 SLM
Flow Meter Accuracy	1% of Reading				
Flow Resolution	1 in 60,000				
Pressure Sensor	10 psi	50 psi	100 psi	200 psi	500 psi
Extended Range Pressure Transducer	1 psi, 5 psi, 10psi...(Option available)				
Pressure Regulator Switching	Auto				

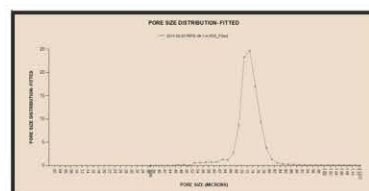
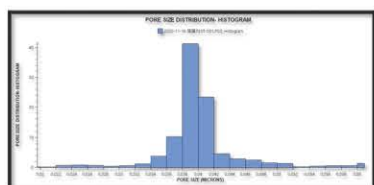
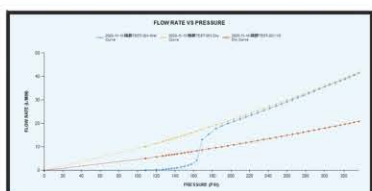
Innova Series Liquid Liquid Porometer

Pore size characterization instrument based on the Liquid-Liquid method

This method uses a liquid to extrude the liquid from the pore. Depending on the different characteristics of interfacial tension between liquid and liquid, the required pressure to measure the pore size is also different. For this method of measuring a 10-nm pore size, the required pressure is low-less than 100 psi .

Therefore, it is suitable for applications in hollow fiber ultrafiltration membranes, and the true pore size and distribution can be obtained quickly. Internal and external pressures can also be adopted for testing hollow fiber membranes.

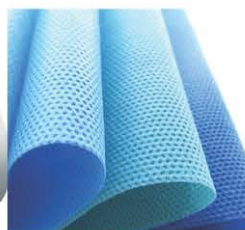
- ⚙️ **Mean Pore Size**
- ⚙️ **Bubble Point (largest pore)**
- ⚙️ **Pore Distribution**
- ⚙️ **Cumulative Filter Flow %**
- ⚙️ **Liquid Permeability**
- ⚙️ **Measure Through Pore from 2nm to 0.2 μm**
- ⚙️ **Available in 3 variants, 100 PSI, 200 PSI and 500 PSI**



INNOVA SERIES LIQUID LIQUID POROMETER

Specifications:

Model	Innova DLLP-100	Innova DLLP-200	Innova DLLP-500
Measuring Principle	Liquid-Liquid Expulsion		
Max Pressure Range	100 PSI	200 PSI	500 PSI
Pore Size (Min)	10nm	5nm	2nm
Pore Size (Max)	0.2µm	0.2µm	0.2µm
Pressure Range Accuracy	±0.1% of full scale		
Sample Size Standard	5mm to 60 mm dia upto 40 mm thick		
Customized Sample Size	Available on Request		
Sample Shapes	Membrane, Paper, Filter Wick, Nob-Woven, Nonfibre(Electrospun), Hollow Fibre, PTFE membranes, Battery Separators, Geotextiles, Cartridges, Ceramics and many more		
Flow Rate detection Range	0.00001 CC up to 10,000 SCCM		
Displacement Liquid	Galwet, Silwet, Porewet, IPA, Water, any Non-Corrosive liquid		
Pressure Sensor	100 psi	200 psi	500 psi
Pressure Regulator Switching	Auto		



Innova Series Ultra Nano Porometer

Pore size characterization instrument based on the dual test methods of gas-liquid and liquid-liquid

Innova Ultra-Nano Porometer (Innova-UNP) is a combination of gas-liquid and liquid-liquid methods. It is a through pore size analysis device, which includes a gas-liquid method that measure large pores of 500 μm to 0.013 μm and has liquid-liquid function to accurately measure

The Innova-UNP is the only commercially available pore size measurement system which can accurately measure pores from macro, micro, ultra and nano range.

- ⚙️ **Capillary Flow Porometer and Liquid Liquid Porometer in a single machine**
- ⚙️ **Measures Through Pores from 2 nm to 500 μm**
- ⚙️ **Mean Pore Size, Bubble Point (Largest Pore) , Pore Distribution**
- ⚙️ **Cumulative Filter Flow % and Liquid Permeability**
- ⚙️ **Available in 3 variants 100 PSI, 200 PSI and 300 PSI**

