



Mayura Analytical LLP
Specialists in Analytical Instrumentation

HPLC Column Oven

*Mayura Analytical LLP is a leading organisation in analytical instrumentation that provides solutions to research institutions and industries to diagnose and resolve their analytical needs. Our pioneering products are made in India for the Indian market and beyond since our inception in 1984. We are widely acknowledged for our approach to chemical analysis and to customer troubleshooting. As recognised suppliers of analytical equipment to the **Indian Institute of Science (IISc), Bangalore and Indian Institute of Technology (All India)**, preeminent research and technology institutions of India as well as large industries such as **BIOCON**, we have cemented our standing in the market with our cutting edge expertise and solution focussed approach.*

The Mayura Analytical HPLC Column Oven is widely used as an accessory to Liquid Chromatography. We have been manufacturing these ovens since 1986. With its fast heating mechanism with uniform temperature distribution, the Column Oven has proved its worthy place in laboratories and industries. We manufacture three types - **Low Temperature, Forced Air and Block Type**.

The Low Temperature Model LT1 is capable of **0°C to 100°C, a unique feature in an Indian make at Indian cost.**

The Forced Air Model FA I is capable of working from **2°C (above ambient) to 200°C.**

The Block Type Model BL I is capable of operating from **2°C (above ambient) to 100°C.**

Such wide operating ranges make this HPLC Column Oven very versatile for most applications. It provides uncompromising accuracy at 0°C or at 200°C. Powerful compressors and heaters will ensure that set temperature is reached rapidly. Most importantly, it is also available with computer connectivity for controlling and programming through a PC or Laptop.



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Features of the Mayura Analytical Liquid Chromatography Column Oven

- Fast heating or cooling mechanism with very uniform temperature distribution to the HPLC column with uncompromising accuracy at 0⁰C or at 200⁰C.
- Accuracy better than $\pm 0.1^{\circ}\text{C}$
- Wide working temperature range
 - Model LT 1 operates from 0⁰C (absolute) to 100⁰ C
 - Model FA I operates from 2⁰C (above ambient) to 200⁰C
 - Model BL 1 operates from 2⁰C (above ambient) to 100⁰C
- Large oven to accommodate series of HPLC / GPC columns
- Up to 30cms in length and 50mm in diameter are available on request
- Easy calibration with long validity
- Proven performance for the last 25 years
- Available with computer connectivity for controlling and programming through a PC



Model LT1 and F1 Column Oven



Model BL1 Column Oven



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Specifications

Model	LT 1	FA I	BL I
Air Circulation	Forced Air with cooling and heating	Forced Air with heating	Block Type with heating
Temperature Range	0 ⁰ C (<u>Absolute</u>) to 100 ⁰ C	2 ⁰ C (Above Ambient) to 200 ⁰ C	2 ⁰ C (Above Ambient) to 200 ⁰ C
Temperature Accuracy	± 0.1 ⁰ C		
Temperature Controller	Microcontroller Operated		
Maximum Column Dimensions	Length - 300 mm ID - Up to 50 mm	Length - 300 mm ID - 7.8 mm	Length - 300 mm ID - 7.8 mm
Column	Accommodates 2 Prep Columns	Accommodates 3 Columns with Guard Column	Accommodates 2 Columns
Sensing	Pt - 100 Sensor		
Dimensions in mm	Oven inner - 360 x 130 x 60 Unit Outer - 420 x 340 x 350 (Length x Width x Depth)	Oven inner - 375 x 125 x 75 Unit Outer - 500 x 275 x 200 (Length x Width x Depth)	Outer - 410 x 105 x 70 Controller - 100 x 155 x 150 (Length x Width x Depth) Very Slim Model, Easily Fits between HPLC and Data



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			Station with Very Small Footprint
Power Supply		220V AC Hz, 250 VA	220V AC Hz, 250 VA
Additional Feature			Available with Computer Connectivity