



# Mayura Analytical LLP

## Specialists in Analytical Instrumentation

Formerly, MAYURA ANALYTICAL PRIVATE LIMITED (Registration No. U85110KA1991PTC011863) converted into LLP w.e.f. 11th January 2016 vide LLPIN: AAF-4682

## 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 the HPLC. 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 two types - **Forced Air and Block Type**. The Forced Air Model FA I is capable of working from 2<sup>0</sup>C (above ambient) to 200<sup>0</sup> C and Forced Air Model FA II is capable of 0<sup>0</sup>C to 100<sup>0</sup> C. The Block Type Model BL I is capable of operating from 2<sup>0</sup>C (above ambient) to 100<sup>0</sup> C.

Such wide operating ranges make this HPLC Column Oven very versatile for most applications. It provides uncompromising accuracy even at 200<sup>0</sup>C. Most importantly, it is also available with computer connectivity for controlling and programming through a PC or Laptop.

### *Features of the Mayura Analytical HPLC Column Oven*

- Fast Heating Mechanism with Very Uniform Temperature Distribution to the HPLC Column
- Wide working temperature range
  - 0<sup>0</sup>C (Absolute) to 100<sup>0</sup> C
  - 2<sup>0</sup>C (Above Ambient) to 200<sup>0</sup>C
  - 2<sup>0</sup>C (Above Ambient) to 100<sup>0</sup>C
- Accuracy better than  $\pm 0.1^{\circ}\text{C}$



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- Uncompromising Stability and Accuracy even at 200<sup>0</sup>C
- Large Oven to Accommodate Series of HPLC / GPC Columns
- Up To 30cms in Length and 22mm in Diameter
- Easy Calibration with Long Validity
- Proven Performance for the Last 20 Years
- Most importantly, also available with computer connectivity for controlling and programming through a PC or Laptop



*Forced Air Type  
HPLC Column Oven*



*Block Type HPLC  
Column Oven*





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### Specifications

#### Our HPLC Column Oven Comes in Two Types: Forced Air and Block Type

Model	FA I and FA II	BL I
<b>Air Circulation</b>	Forced Air	Block Type
<b>Temperature Range</b>	FA II - 0 <sup>0</sup> C ( <u>Absolute</u> ) to 100 <sup>0</sup> C OR FA I - 2 <sup>0</sup> C (Above Ambient) to 200 <sup>0</sup> C	2 <sup>0</sup> C (Above Ambient) to 200 <sup>0</sup> C
<b>Temperature Accuracy</b>	± 0.1 <sup>0</sup> C	
<b>Temperature Controller</b>	Microcontroller Operated	
<b>Maximum Column Dimensions</b>	Length - 300 mm ID - Up to 50 mm	Length - 300 mm ID - 7.8 mm
<b>Column</b>	Accommodates 3 Columns with Guard Column	Accommodates 2 Columns
<b>Sensing</b>	Pt - 100 Sensor	Pt - 100 Sensor
<b>Power Supply</b>	220V AC Hz, 250 VA	220V AC Hz, 250 VA
<b>Dimensions</b>	Oven inner - 375 x 125 x 75 mm Unit Outer - 500 x 275 x 200 mm (Length x Width x Depth)	Block Outer - 410 x 105 x 70 mm Controller - 100 x 155 x 150 mm (Length x Width x Depth)  Very Slim Model, Easily Fits between HPLC and Data Station with Very Small Footprint
<b>Settings</b>	Keyboard Based	
<b>Additional Feature</b>	Available with Computer Connectivity for Ease of Programming and Controlling	