

# HIGH PRECISION DOUBLE PISTON PUMP

## 3000



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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►► **INTRODUCTION**

HPLC pump 3000 is a precision delivery system that working chiefly by means of CPLD technology, and controlled by micro-processor. It based on all-digital frequency generating system, advanced motor driver system and friendly man-machine interface. Operating and controlling become more and more easily. Advanced pump head and check valve combine the most successes experience in the world today and private user’s high performance of delivery precision and reproducibility.

►► **HPLC Pump 3000 working mode**

HPLC pump 3000 can be configured depend on what the users want:

<b>Iso/Binary-Pump for analysis use</b>	Flow Rate:0.0- 10 ml/min	Maximum Working Pressure: 42MPa.
<b>Used as HPG Mode for analysis Application.</b>	In combination with additional HPLC 3000 pumps, system capability can be expanded up to quaternary high-pressure Gradient.	
<b>Used as HPG Mode for semi-preparative application</b>	In combination with additional HPLC 3000 pumps (50ml pump head), system capability can be expanded up to quaternary High-pressure gradient.	
<b>Used as LPG Mode for analysis application</b>	In combination with 3000 LGA low pressure gradient controller, system capability can be	

**Used as LPG Mode for Semi-preparative application**

Expanded up to quaternary low pressure gradient. In combination with 3000 LGP low pressure gradient controller, system capability can be expanded up to quaternary low pressure gradient.

## ►► FEATURES

<b>Interchangeable Pump head</b>	Provide 10ml and 50ml pump head according to the using environment
<b>Washing Piston rod</b>	when the buffer solution is used, the pump head is frequently abraded. Using washing piston rod function can elongate the piston rod using life and keep free with inorganic salt influence.
<b>Automatic pressure calibration</b>	The pump working pressure can be automatic calibrated only by press a key before using.
<b>Interactive interface</b>	Using 320x240 LCD display, it is very easy for user to edit programs and more information will be appeared in the screen. It reports performance and maintenance check
<b>Product's information</b>	By checking the product's information, you can find the serial Number, the CMC permission number, the installation date, the total running time and etc. It helps the user decide when the instrument should be maintenance.

## ►► SPECIFICATIONS

<b>Power consumption</b>		150W
<b>Dimensions (Width x height x depth)</b>		270x150x400mm
<b>Weight</b>		15kg
<b>Flow Resolution</b>	Analysis pump head	0.001ml/min
	Semi-preparative pump head	0.001ml/min
<b>Flow Range</b>	Analysis pump head	0.001~10ml/min
	Semi-preparative pump head	0.01~50ml/min
<b>Flow Repeatability</b>	Analysis pump head	0.2%
	Semi-preparative pump head	0.5%
<b>Flow set error percentage</b>		0.1%
<b>Maximum working pressure</b>	Analysis pump head	42MPa
	Semi-Preparative	30MPa

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

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