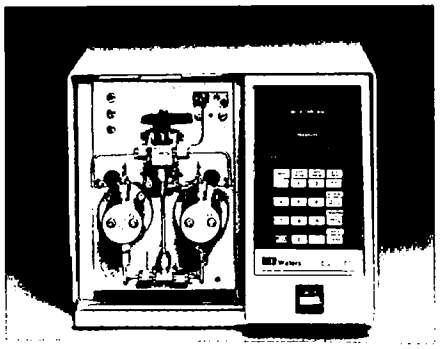
Waters™ 590 (80 ml/min) Programmable Solvent Delivery Module

Product Bulletin



The Waters 590 (80 ml/min) Programmable Solvent Delivery Module combines the reliability of a proven solvent delivery module with the special engineering you need for intermediate isolations from milligrams to grams. The Waters 590 (80 ml/min) is self-priming and has binary gradient capability at 20-80 ml/min when used with the Waters Preparative Gradient Generator.

Waters 590 with 80 ml/min capacity has the performance you need for isolations of 1 mg-10 gms:

- ☐ Flow Rate range from 1-80 ml/min accommodates a wide range of column sizes up to 57 mm ID × 30 cm length.
- ☐ High backpressure capacity. Operates at 1800 psi at 80 ml/min, 3400 psi maximum.
- ☐ With the manual 2-solvent inlet select valve, you can perform a step gradient or inject your sample directly through the pump (convenient for large sample volumes). Or, perform automated step gradients with Waters Solvent Select Valve.
- ☐ Selectable constant pressure operation gives you versatility for non-chromatographic applications such as packing columns.
- ☐ Interfaces with the Waters PrepPak® 1000 Module for rapid scale-up to sample loads from 1 mg to 10 gm.

Reliability of a proven, automated solvent delivery module — Waters 590

- ☐ Three modes of solvent delivery: isocratic, flow programming, and manual step gradient.
- ☐ Programmable control of up to 8 external events with built-in 12V power supply lets you expand your system's capability to switch columns, collect fractions and more.
- ☐ Automatic start-up and shut-down. Run analyses overnight to save staff, time, and money.
- ☐ Accurate flow rates — at all pressures — with automatic compressibility compensation.
- ☐ Serviceable and easy to use.

Operating specifications

Flow rate accuracy is ± 3% at 12 ml/min with a backpressure of 1200 psi.
Flow rate determined is 4 × front panel setting

Dimensions:	11"L × 13"W × 9"H	
Temperature:	Operating	4° - 40°C
	Storage	0° - 50°C

Order information

Waters 590 with 80 ml/min feature	07572
Waters PrepPak 1000 Module	89592
Preparative Gradient Generator	97887

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PrepPak is a registered trademark of Millipore Corporation, Bedford, Massachusetts.

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