

# ACCQPrep HP150

## Preparative HPLC

The Teledyne ISCO ACCQPrep HP150 is designed to be intuitive and easy-to-use with all the performance and accuracy of an HPLC system. The system focuses on purification with the highest sample recovery.

*Achieve High Performance Liquid Chromatography (HPLC) simply, without compromise.*

With ease of purification in mind, the user-friendly ACCQPrep HP150 eliminates unnecessary and complex method parameters found in many of the HPLC systems in today's market. Our PeakTrak<sup>®</sup> software, designed with the user in mind, is the basis for controlling the ACCQPrep HP150. The integrated software, eliminates the need for a stand-alone PC. This results in a more compact unit with a touch screen interface. Software evolves with user needs and updates are always free.

Enjoy the confidence associated with Teledyne ISCO's active solvent and waste level monitoring, which reduces the risk of solvent spills. In addition, never miss or overflow test tubes again with RFID collection racks.

The ACCQPrep HP150 creates high accuracy gradients and low dwell volumes with dual piston, high pressure pumps. Operate across the full range of flow rates from analytical (1 mL/min) to 50 mm and larger preparative columns (150 mL/min), without the need to switch out pump heads. Save method development time by scouting on an analytical column, and scale up to prep on one system, with a single touch.



*The system is ready for hours of unattended operation when combined with optional AS automation modules.*



*Purlon Mass Spectrometer takes the guess work out of your purification routine with mass directed fractionation.*



## ACCQPrep<sup>®</sup> HP 150

- **Straightforward**  
Complete control of the system on one screen
- **Compact**  
Designed to take up minimal lab space
- **Flexible**  
Add on Automation Modules and other sample injection and detection options for your separation needs

### Standard Features

- **Flow rates** from 1 to 150 mL/min allows scouting and Prep methods on one system
- **Operating pressure** up to 6,000 psi
- **Choice of UV or UV-Vis** plus ELSD and MS options
- **One touch Focused Gradient Generator** maximizes purification time and sample recovery

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## ACCQPrep® HP150 Specifications

|  |  |
|--|--|
| <b>Flow Rate Range:</b>                      | 1–150 mL/min   |
| <b>Pressure Limit:</b>                       | Up to 6,000 psi (400 bar)  |
| <b>UV and UV-Vis Detection:</b>              | Variable UV 200–400 nm,<br>Variable UV-Vis 200–800 nm (optional)   |
| <b>ELSD Detection:</b>                       | Integrated Option  |
| <b>Number of Solvents:</b>                   | Binary gradient, 2 solvents, 2 x 3 solvents (optional),<br>Fixed third solvent modifier (optional)             |
| <b>Gradient Formation:</b>                   | High pressure, dual piston reciprocating pumps   |
| <b>Programmable Gradients:</b>               | Linear, step, isocratic  |
| <b>Gradient Linearity:</b>                   | +/- 1%   |
| <b>Sample Introduction:</b>                  | Injection loop (standard)<br>Manual (standard)<br>Autoinjector (optional)<br>Large sample load pump (optional) |
| <b>User Interface:</b>                       | 15 in touchscreen, internal CPU, Linux Red Hat   |
| <b>Fraction Collector:</b>                   | Internal, External Fraction Collection with<br>AutoSampler (Optional)  |
| <b>Dimensions ACCQPrep:</b>                  | (H x W x D) 27.5 x 14.0 x 20.0 in (69.9 x 35.6 x 50.8 cm)<br>84.5 pounds (38.2 kg)                             |
| <b>Dimensions AS 2x2 AutoSampler Module:</b> | (H x W x D) 18.9 x 14.0 x 19.3 in (48.0 x 35.6 x 49.0 cm)<br>31.1 pounds (14.1 kg)                             |
| <b>Dimensions AS 4x2 AutoSampler Module:</b> | (H x W x D) 27.5 x 23 x 22 in (69.9 x 58.4 x 55.9 cm)<br>42.2 pounds (19.1 kg)                                 |

## Selection Information

### ACCQPrep HP150 Systems

|  |             |
|--|-------------|
| ACCQPrep HP150 System with 200-400 nm—UV PDA detector . . . . .  | 68-5230-053 |
| ACCQPrep HP150 System with 200-800 nm—UV-Vis PDA detector . . . . .  | 68-5230-054 |
| ACCQPrep HP150 System with 200-400 nm wavelength UV PDA detector,<br>MS/ELSD Ready Delay Valve . . . . .     | 68-5230-055 |
| ACCQPrep HP150 System with 200-800 nm wavelength UV-Vis PDA detector,<br>MS/ELSD Ready Delay Valve . . . . . | 68-5230-056 |

### Detector Options

|   |             |
|---|-------------|
| Integrated ELSD, factory installed . . . . .                  | 60-5237-135 |
| Mass Spec "S" with Fluid Interface . . . . .                  | 68-5237-083 |
| Mass Spec "L" with Fluid Interface . . . . .                  | 68-5237-084 |
| APCI Ion Source for Base, S and L Mass Spec options . . . . . | 25-0000-125 |
| ESI Ion Source for Base, S and L Mass Spec options . . . . .  | 25-0000-129 |

### Automation Options

|   |             |
|---|-------------|
| ACCQPrep CSV 4—Column Selector Valve Module . . . . .                           | 68-5237-099 |
| ACCQPrep SSV 2x3—Solvent Selector Valve Module . . . . .                        | 68-5237-100 |
| Third Solvent Modifier Pump . . . . .   | 68-5237-136 |
| Waste Collection Switching Valve. Requires either the AS 2x2 or AS 4x2. . . . . | 60-5237-132 |

### Sample Load Options

|   |             |
|---|-------------|
| ACCQPrep AI 5—Autoinjector. . . . .   | 68-5237-098 |
| ACCQPrep HP150 AS 2x2—AutoSampler Module only. For upgrade to an existing ACCQPrep with Autoinjector installed. Includes sample load rack (default is for 13mm test tubes) and one set of collection racks (default is 18 x 150mm tubes—117V units; 16x150mm tubes—234V units). . . . . | 68-5237-129 |
| ACCQPrep HP150 AS 4x2—AutoSampler Module only. For upgrade to an existing ACCQPrep with Autoinjector installed. Includes sample load rack (default is for 13mm test tubes) and one set of collection racks (default is 18 x 150mm tubes—117V units; 16x150mm tubes—234V units). . . . . | 68-5237-142 |
| Large Volume Sample Load Pump . . . . .   | 68-5237-131 |



**Large Volume Sample Load Pump**  
Used for injecting volumes of samples greater than 10 mL directly onto the column bypassing the injection loop. Pump is controlled via PeakTrak.



**Waste Collection Switching Valve**  
Interfaces with AS 2x2 and 4x2. Directs waste from up to 12 samples into separate waste reservoirs. Ideal for open access to separate individual sample wastes. Requires presence of either the AS 2x2 or AS 4x2.



**Third Solvent Modifier Pump**  
Controlled via PeakTrak and provides delivery of a third solvent at a fixed percentage during the purification.