

# qEV ZENCO

(BETA VERSION)

AUTOMATED CHROMATOGRAPHY SYSTEM  
FOR USE WITH qEV COLUMNS

## SYSTEM SPECIFICATIONS

### FLOWPATH

- ▶ 8 inlets
- ▶ 8 outlets
- ▶ In-line air sensor
- ▶ Column bypass and reverse flow

### UV DETECTION

- ▶ Variable single wavelength (190-400 nm)

### pH DETECTION

- ▶ Reading range: 3 - 14
- ▶ Accuracy:  $\pm 0.1$

### PUMP

- ▶ Maximum flow rate: 100 mL / minute
- ▶ Accuracy:  $\pm 1.5\%$
- ▶ Low dead volume minimises sample loss and dilution

### PRESSURE

- ▶ Maximum pressure: 10 bar

### POWER SUPPLY

- ▶ 110 V or 220 V

### CONDUCTIVITY DETECTOR

- ▶ Reading range: 0-999 mS/cm
- ▶ Accuracy:  $\pm 2\%$  (within 0-200 mS/cm)



### SOFTWARE FEATURES AND DATA OUTPUTS

- ▶ Workflow diagram updates to reflect activated components
- ▶ CSV file includes: Sample ID, qEV column information, fraction identification, retention time, UV vs volume plot, number of theoretical plates, asymmetry, peak height for column efficiency analysis

### PHYSICAL CHARACTERISTICS

- ▶ Weight: 30 kg
- ▶ Dimensions (WxHxD): 327 x 325 x 406 mm
- ▶ Powder coat finish, wipe clean drip tray, status indicator

### COLUMN COMPATIBILITY

- ▶ Compatible with the qEV2, qEV10, qEV100 and larger custom columns

The qEV Zenco is built under a quality management system certified to ISO 13485:2016 and is compliant with FDA 21 CFR Part 11.

