

qEV BigZenco

Streamline EV isolation for cGMP-compliant manufacturing.

Designed for use with an industrial-sized qEV column in cGMP-compliant environments, the qEV BigZenco is an automated chromatography system which offers a flexible, modular design with an integrated qEV isolation workflow. With the BigZenco, you can scale your EV isolation efficiently while meeting stringent regulatory requirements



Please note that the proposed specifications below are subject to change; please get in touch to discuss specific requirements or requests.

Table 1: Specifications of Key Components

| Component | Details |
|----------------------------|---|
| Dimensions (W x H x D) | 70 x 120 x 70 cm |
| Actuator operations | Pressurised air needed (5 bar) |
| Enclosure protection | IP54 |
| System weight | 120 kg |
| Power supply system | 100-240 V AC 50-60 Hz |
| UV path length | 5 mm |
| Software version | OPC available |
| Operating flow rate | 50 to 1500 mL/min Viscosity: 0.7 to 5 cP |
| Number of inlets | 6 |
| Number of outlets | 6 |
| Tubing diameter (internal) | Pre-column: 6 mm Post-column: 4 mm |
| Column valve functionality | Forward, reverse, and bypass |
| Pressure rating | Up to 6 bar (0.6 MPa) |
| Air sensors | Adjustable to detect bubbles down to 2 mm |
| Air trap | 120 mL with bypass |

Table 2: Instrumentation and Acceptance Criteria

| Description | Range | Acceptance range | Accuracy within acceptance range |
|-------------------------------------|-------------|------------------|----------------------------------|
| Flow rate (mL/min) | 10 to 1500 | 50 to 1500 | ± 2% |
| Pre-column pressure sensor (bar g) | 0 to 10 | 0.1 to 10 | ± 2% |
| Post-column pressure sensor (bar g) | 0 to 10 | 0.1 to 10 | ± 2% |
| Post-column conductivity (mS/cm) | 0.01 to 300 | 0.3 to 300 | ± 3% or 0.10 mS/cm |
| Temperature (°C) | 2 to 70 | 4 to 35 | ± 2% |
| UV absorbance (AU) | -6 to +6 | 0 to 2 | Linearity ± 2% |
| UV wavelength (nm) | 280 | 280 | ± 2% |
| pH | 0 to 14 | 2 to 12 | ± 0.15 |

Got questions?

Get in touch for more information about product details, lead times or to request a quote.