

# Contichrom<sup>®</sup> CUBE 30/100 Contichrom<sup>®</sup> HPLC 30/100

## Preventive Maintenance service



The following services are included in the Contichrom® CUBE/HPLC system maintenance:

- Tubing and valve pressure test
- Inspection of tubing – replacement if necessary
- Inspection of ferrules and fittings – replacement if necessary
- Inspection and cleaning of pump check valves – replacement if necessary
- Replacement of pump seals
- Replacement of pump seal wash solution and inspection of seal wash function
- Inspection of pump pistons – replacement if necessary
- Valve rotor and stator – replacement if necessary
- Inspection of systems fans and ventilation – cleaning/replacement on customer confirmation
- Inspection of external parts (e.g. column holders, pH electrode holder, tubing guides) – replacement if necessary
- Performance check and calibration of UV, conductivity and pH sensors
- pH electrode - replacement if necessary
- Performance test of fraction collector operation
- Performance and operation check of ChromIQ software. Upon request: ChromIQ operating software update
- Functional test of accessories
- Final system test
- Detailed service report

Preconditions:

- Access to a scale, accuracy  $\pm 0.1$  g or better
- Access to 50 mL centrifuge tubes
- Filtered and degassed buffers and solvents:
  - Buffer A: 2 L deionized water
  - Buffer B: 1 L 1 M NaCl with 1 g/L tryptophan (> 99% purity)
  - Buffer C: 1 L 1 M NaOH
  - Buffer D: 500 mL of 20 vol.-% ethanol

Unexpected repairs and required spare parts will be invoiced separately.

Following spare parts are included in the preventative maintenance package if replacement is required:

CC880402	PEEK Check Valve Kit (1 req'd per pump head)
CC880923	Maintenance kit for Contichrom 30 system module
CC880924	Maintenance kit for Contichrom 100 system module
CC880354	Pump Piston 30 (1 req'd per pump head)
CC880355	Pump Piston 100 (1 req'd per pump head)
CC881032	Valve Rotor for 6-port valve
CC881035	Valve Rotor for 7-port valve
CC881037	Valve Rotor for 9-port valve
CC800028	pH probe: 57P3700-005B