



**4th Presentation Block:
Special Systems**



Compact Systems

Compact Systems

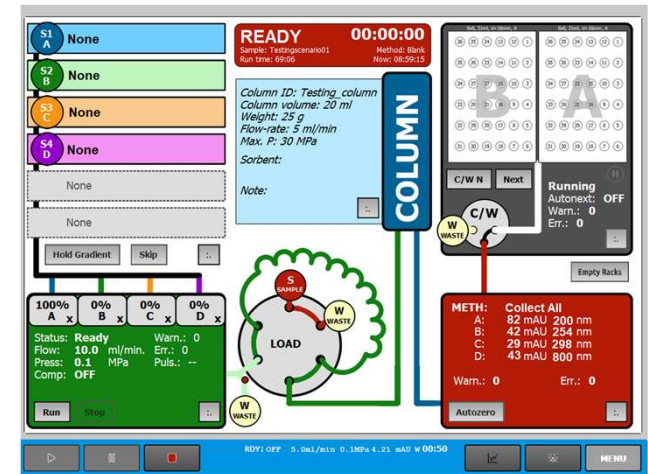
1) ECS08P, ECS28P, ECS58P

- High effective Compact preparative system containing UV-VIS DAD detector, preparative gradient pump, automatic injection valve and fraction collector. Detector allows absorbance measuring on four wavelengths at the same time or scanning through entire spectra.
- The system can be supplied with different types of racks with test tubes and possibly the system can be modified according to customer requirements.

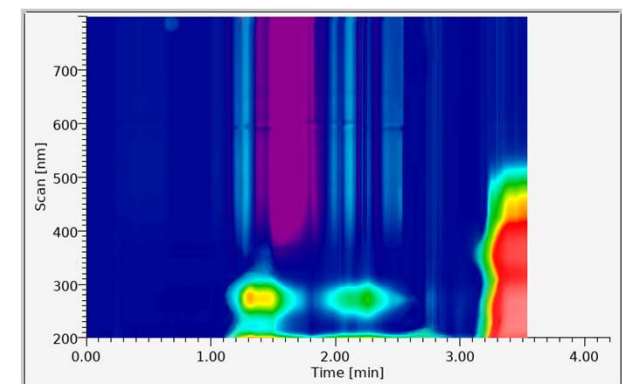


Compact Systems

- The compact system is controlled by its own software directly via the system's PC screen.
- One of the main screens of the system is called the Scheme Screen - it shows the connection and functionality of individual devices in the system.
- It is possible to perform the analysis and data collection in 3D on the system.



Scheme Screen



3D data

Compact Systems

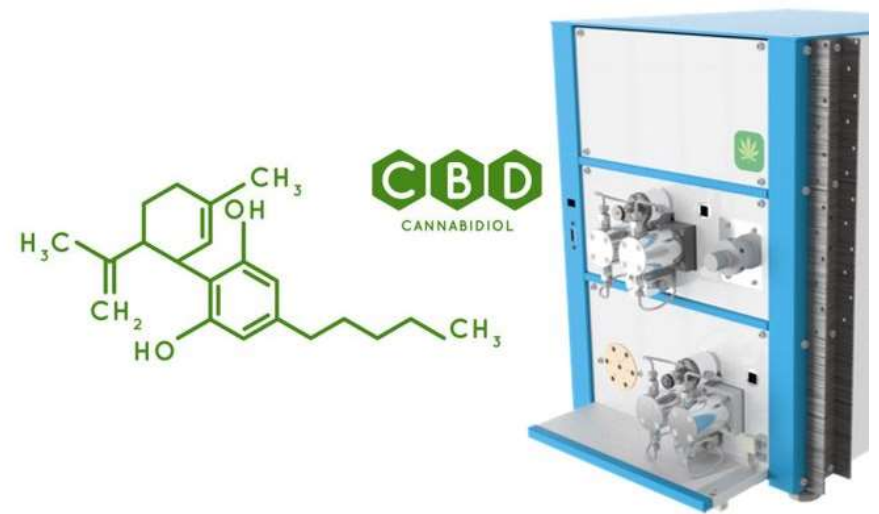
System	Part Number	Pump Version	Detector Version	Fraction Collector Version
ECS08P Semi-Preparative Compact System	ECS08P0X	ECP2010 10 ml/min 40 MPa	TOY18DAD800 L 200 - 800 nm	ECF2096
ECS28P Preparative Compact System	ECS28P0X	ECP2200 250 ml/min 30/15 MPa		
ECS58P Preparative Compact System	ECS58P0X	ECP2050 50 ml/min 30 MPa		

Compact Systems

2) PREPBOX A338E, A3L8E

PREPBOX is a compact alternative to modular preparative systems. It is assembled according to the customer's wishes. It is used for high-capacity systems or with centrifugal chromatography systems like in pharmaceutical purification of cannabis extracts (CBD, CBN, CBG, CBC...).

PREPBOX is offered in two basic variants:
A338E - the system has a built-in two 300 ml/min pumps.
A3L8E - the system has a built-in 1000 ml/min pump and 300 ml/min pump (for sample injection).



Compact Systems

- The PREPBOX system can be controlled via computer using the ECOMAC software.
- It is possible to incorporate different valves for different switching systems into the PREPBOX.
- The PREPBOX can again, like all our devices, be modified according to the customer's requirements.



Compact Systems

System	Part Number	Pump Version	Detector Version
PREPBOX A3L8E Chromatography Separation System	SCK0000X	1x 1000 ml/min; 15/10 MPa 1x 300 ml/min; 30 MPa	TOY18DAD800 L 200 - 800 nm
PREPBOX A338E Chromatography Separation System	SCKA000X	2x 300 ml/min 30 MPa	

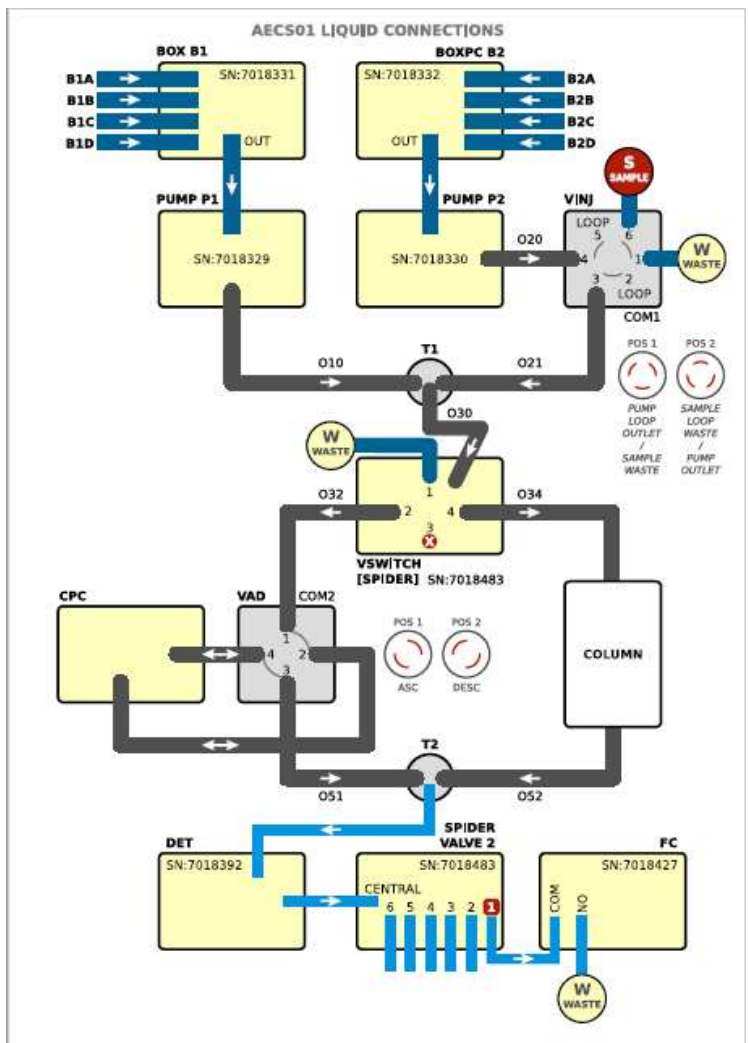


CC, FCPC, CPC



CCC, FCPC, CPC

- PREPBOX was primarily designed for use in Countercurrent Chromatography (CCC), Fast Centrifugal Partition Chromatography (FCPC) and Centrifugal Partition Chromatography (CPC).
- We do not produce the main unit, we only produce support devices.
- Liquid-liquid Chromatography
- PREPBOX can also be used for cannabinoid separations, mostly for separation of THC and CBD.





Industrial Chromatography

Cells for use in industrial chromatography

- We can modify and process our cells (smooth polishing of surfaces, etc.) so that they meet the conditions of use in the FDA.
- In explosion or contamination hazard applications can be used preparative external high flow cells – for example PLCC Turbo, PLCC 20 Plus and PLCC3L EX.



ECP2011 Pump

- The advantage of ECP2011 pumps is very high chemical resistance and resistance to high pressures.
- In industrial chromatography are these pumps used, for example, for analyzing transformer oils.
- The ECP2011 pump is used for dosing into pressurized industrial reactors.



The background features a complex digital aesthetic. It consists of a dark blue field overlaid with a grid of glowing light blue hexagons. Interspersed among these hexagons are intricate, glowing circuit traces and lines, reminiscent of a printed circuit board (PCB) or a neural network diagram. The overall effect is one of high-tech connectivity and data flow.

Research specials

External Cells

- EX detectors and cells can also be used for special measurements in which the detector cannot be present in specific places (e.g. due to the environment) - the cell is designed according to the given environment conditions.
- We newly also manufacture TRI-CLAMP cells that are FDA certified and can be safely used in the food and pharmaceutical industries.





Thank you for your attention!

If you have any questions, please do not hesitate to ask us or
contact us!