RotaChrom
Perpetual Innovation

RotaChrom

rCPC

Datasheet

Version number: DS-rCPC-10122018
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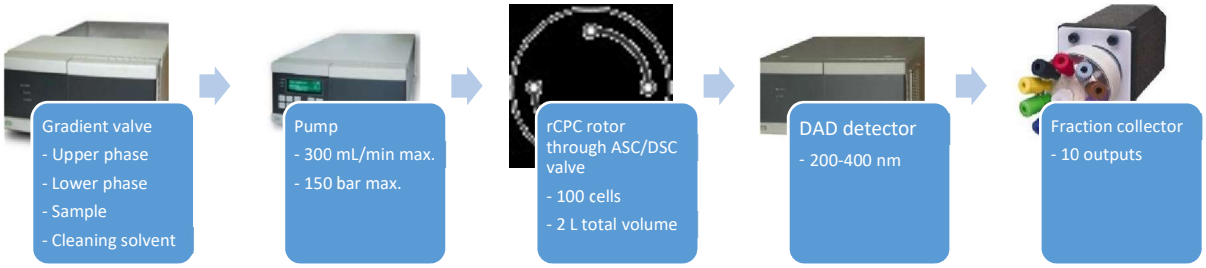
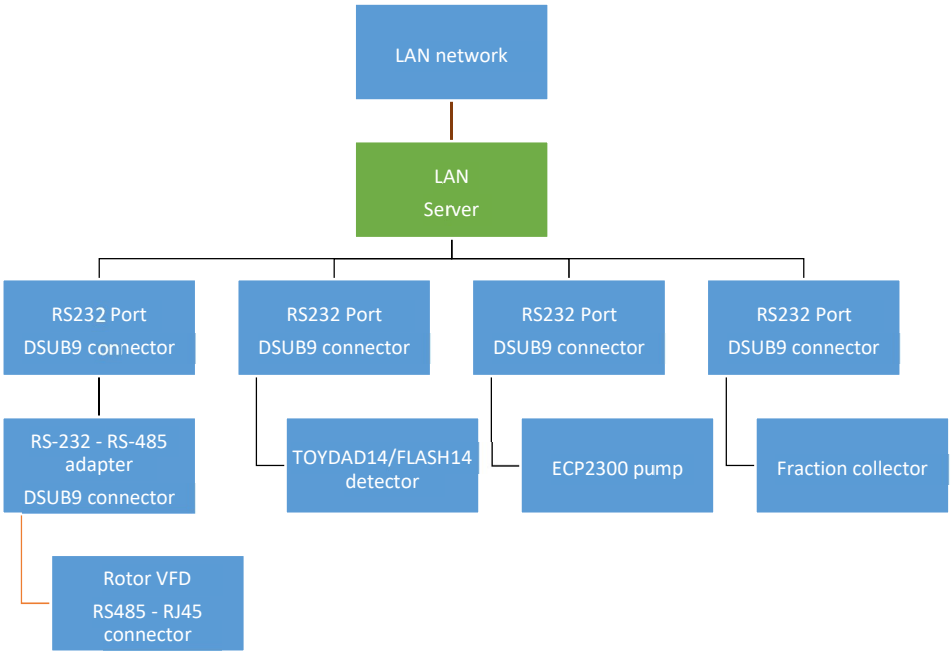
RotaChrom rCPC is a research & development purpose Centrifugal Partition Chromatography system intended for pilot scale purification of compounds. Centrifugal Partition Chromatography is a liquid-liquid chromatographic technique, where both stationary and mobile phases are liquids, and the liquid stationary phase is immobilized by a strong centrifugal force.

rCPC system consists of the following items:

- Liquid pump with gradient former – 4 inputs, capable of 300 mL/min (0.079 gpm), at 150 bars (2 175 psi)
- ASC/DSC mode changing valve
- rCPC rotor with extraction cells (with Variable Frequency Drive) – max. 1 500 rpm – 2 L (0.53 gal) volume
- UV detector – 200-400 nm range
- Fraction collector (spider) – 10 outputs
- Control system – data server





Module	Weight		Height		Depth		Width		Maximum Power Consumption	Maximum Power Consumption
	kg	lbs	mm	in	mm	in	mm	in	kVA	kW
RotaChrom rCPC	470	1 036.2	1 400	55.1	1 150	45.3	1 350	53.2	3.8	2.2

Working fluids: pH 1-14, organic solvent (e.g.: hexane, heptane, acetone, isopropanol, acetonitrile, dichloromethane, methanol, ethanol…), buffers (e.g.: citric acid, acetic acid, phosphate buffers), salts (e.g.: sodium-chloride solution, ammonium-sulfate solution).

Non-working fluids: hydrochloric-acid solution over 0.1 M, concentrated acids (>0.1 M), per fluorinated solvents (over 1%)