

Biotech Solvent Recycler

Description

SmartSaver recycler saves up to 90% of mobile phase by redirection of the pure solvent to the solvent reservoir during the isocratic HPLC. *SmartSaver* brings quite new approach to solvent recycler design. Very compact instrument is powered directly from chromatography data system PC, no power adapter is required. User friendly software is provided to configure the parameters, and to perform on-line monitoring/audit trail. Analog input allows unipolar or bipolar operation within range of $\pm 1V$. TTL/contact closure can be configured as start, auto-zero or valve position control input.

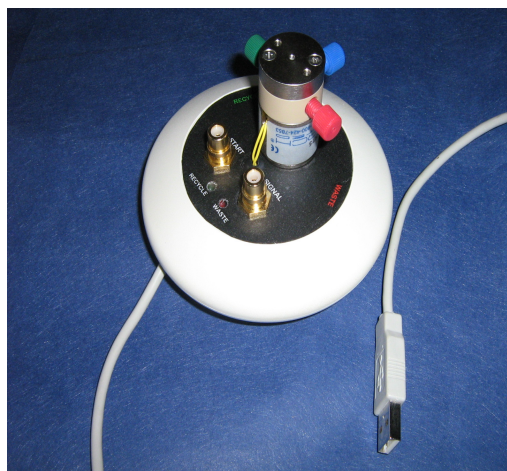
Operational principle

SmartSaver continuously monitors output signal of the chromatographic detector. Analog-to-digital converter produces digital data for further evaluation in build-in processor. If the input signal level exceeds the preset value (threshold), *SmartSaver* redirects the flow to the waste, respecting the transport time from detector to the switching valve. When signal goes down *SmartSaver* is waiting for transport delay again and then switch the mobile phase back to the reservoir. Autosampler injection marker connected to the *SmartSaver* may ensure the zeroing of signal input at the moment of injection

Computer requirements

Personal computer (data system) running Microsoft Windows™ 98/2000/XP/Vista(32) with one free USB port.

Product picture



Specification

- Powered from PC USB port
- Input range $\pm 1V$, optimized for "integrator" detector output
- 12 bit analog-to-digital converter
- 1 Hz data rate
- LED indication of WASTE/RECYCLE positions
- Manual WASTE/RECYCLE control
- User configurable TTL/contact closure input (start, valve position, zero ...)
- Compatible with any HPLC detector
- Wetted material: PEEK
- Connection: 1/4-28 Flat Bottom
- Maximum pressure: 30 psi/0,2 MPa
- Only two operating parameters – Threshold, Transport Delay
- Easy Plug&Play Installation
- Drivers and Software Included