<u>intelligent solution</u>

SMART SAVER®

SOLVENT RECYCLING



USB Solvent Recycler

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 ± 1V. TTL/contact closure can be configured as start, autozero 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™ WindowsTM 98/2000/XP/Vista(32)/7(32) with one free USB port.

Specification

Input Range: ± 1000 mVolts Threshold: 1 - 1000 mVolts (detects both positive and negative peaks)

Delay: 0 - 255 second Autozero: 50% of input range Valve: 3 way electrically actuated, 1/4 - 28" flat bottom fittings,

30 psi max.

Wetted Materials: PTFE (valve body), PTFE (valve membrane, tubing) Inputs:

TTL (contact closure) user configurable

Indicators: ready (yellow) LED, recycle (green) LED PC Communication: USB

5 V/100mA (USB powered) Power Requirements:

BGB GC LC MS CE

www.bab-shop.com

Switzerland: BGB Analytik AG • Rohrmattstrasse 4 • 4461 Böckten • Phone +41 61 991 00 46 • Fax +41 61 991 00 25 • sales@bgb-analytik.com

BGB Analytik SA • Route de Pré-Bois 20 • 1215 Genève 15 • Phone +41 22 788 49 43 • Fax +41 22 788 49 45 • şales (@bgb-analytik.com

BGB Analytik Benelux B.V. • Drielandendreef 42-44 • 3845 CA Harderwijk • Phone +31 341 700270 • Fax +31 341 700271 • sales benelux@bgb-analytik.com Benelux:

BGB Analytik France S.A.S. • 81 Vie de l'Etraz • 01630 St. Jean de Gonville • Phone +33 450 488567 • Fax +33 450 562378 • sales fr@bgb-analytik com France:

Germany: BGB Analytik Vertrieb GmbH • Mühlestraße 1 • 79539 Lörrach • Phone +49 7621 5884270 • Fax +49 7621 5884289 • sales.de@bgb-analytik.com

BGB Analytik Laboratuvar Malzemeleri Ticaret A.Ş. • Starport Residence • Yenişehir Mah. Osmanlı Bulvarı. • Sümbül Sok. No:10, Daire: 193 • Turkey:

34912 Kurtköy, Pendik, İstanbul • Phone +90 2169092048 • sales.tr@bgb-analytik.com