

HPLC Accessories Solvent Recovery

Supelco Solvent Recovery Systems

Recover and reuse clean mobile phase,
dispose of only contaminated mobile phase.

- Reduce solvent purchase and disposal costs
- Save money, mobile phase preparation time, and the environment

Supelco SRS-3000 and SRS-1000 Solvent Recovery Systems can save money and time in any isocratic analysis. A microprocessor-controlled solvent switching valve monitors detector output and directs the solvent to the waste reservoir only when a peak is detected (Figure A). When the baseline falls below the threshold you select, the uncontaminated solvent is directed back to the mobile phase reservoir. In a typical isocratic analysis, 80-90% of the mobile phase is uncontaminated and can be recycled (Figure B). Settings for threshold, detection range, and delay time enable you to precisely control the switching valve.

In addition to the basic features mentioned above, the SRS-3000 unit offers validation output (included), an Autoclean option (see below), and storage for up to 10 method files. The validation output provides a continuous, auditable data trail of the solvent recycling valve position, for GMP, GLP, or ISO-9000 protocols. The valve position is recorded by superimposing tick marks over a separate copy of the chromatographic signal.

Autoclean Valve- The SRS-3000 system also is available with a valve that enables you to select a different solvent to flush the HPLC system. The Autoclean valve is especially useful if you are using a single pump with mobile phases containing buffer or other salts. The Autoclean valve installs between the mobile phase reservoir and the pump. It has two inlet lines, one for the mobile phase and one for the wash solvent. The valve can be factory installed, or you can order it separately and install it yourself.

Economy-Priced Unit- The economically priced SRS-1000 includes the same solvent-saving features as the SRS-3000 unit. A simpler display and advanced features (no validation output, Autoclean option, or method storage memory) allow us to keep the price substantially lower.

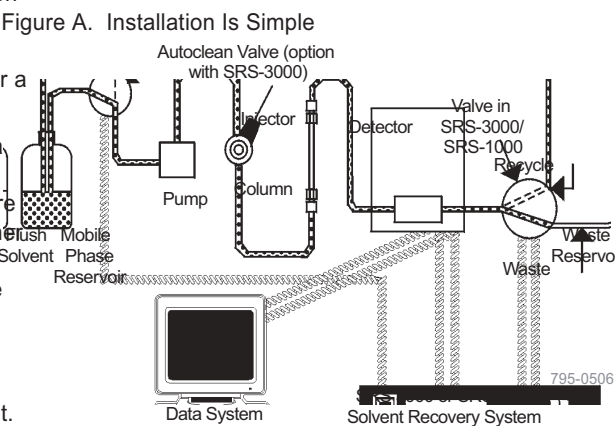
Both Systems are Ready to Use Both systems include a control unit with switching valve, a power cord, a 2-lead signal cable (+/-), Teflon tubing and fittings, and an instruction manual.

In addition to these components, the SRS-3000 system with the Autoclean valve has the wash valve, additional tubing and fittings, a wash start cable, and a pump remote stop cable.

The SRS-3000 and SRS-1000 units meet all CE requirements. The SRS-1000 units also meet UL and CSA requirements.

DESCRIPTION	CAT. NO.	PRICE
SRS-3000 Solvent Recovery System	57431	
SRS-3000 System with Autoclean	57432	
Autoclean retrofit kit	57433	
Switching valve assembly for SRS-3000 unit	57435	
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SRS-1000 Solvent Recovery System		
110VAC	506125	
220VAC	506133	

¹CE approved.



1. Connect SRS-3000 or SRS-1000 unit to detector signal output (cable is included).
2. Connect SRS-3000 or SRS-1000 unit to mobile phase and waste reservoirs and detector (Teflon tubing is included).
3. Set the threshold value and begin saving time and money.

Figure B. Recover 80% or More of the Mobile Phase Used In an Isocratic Analysis

