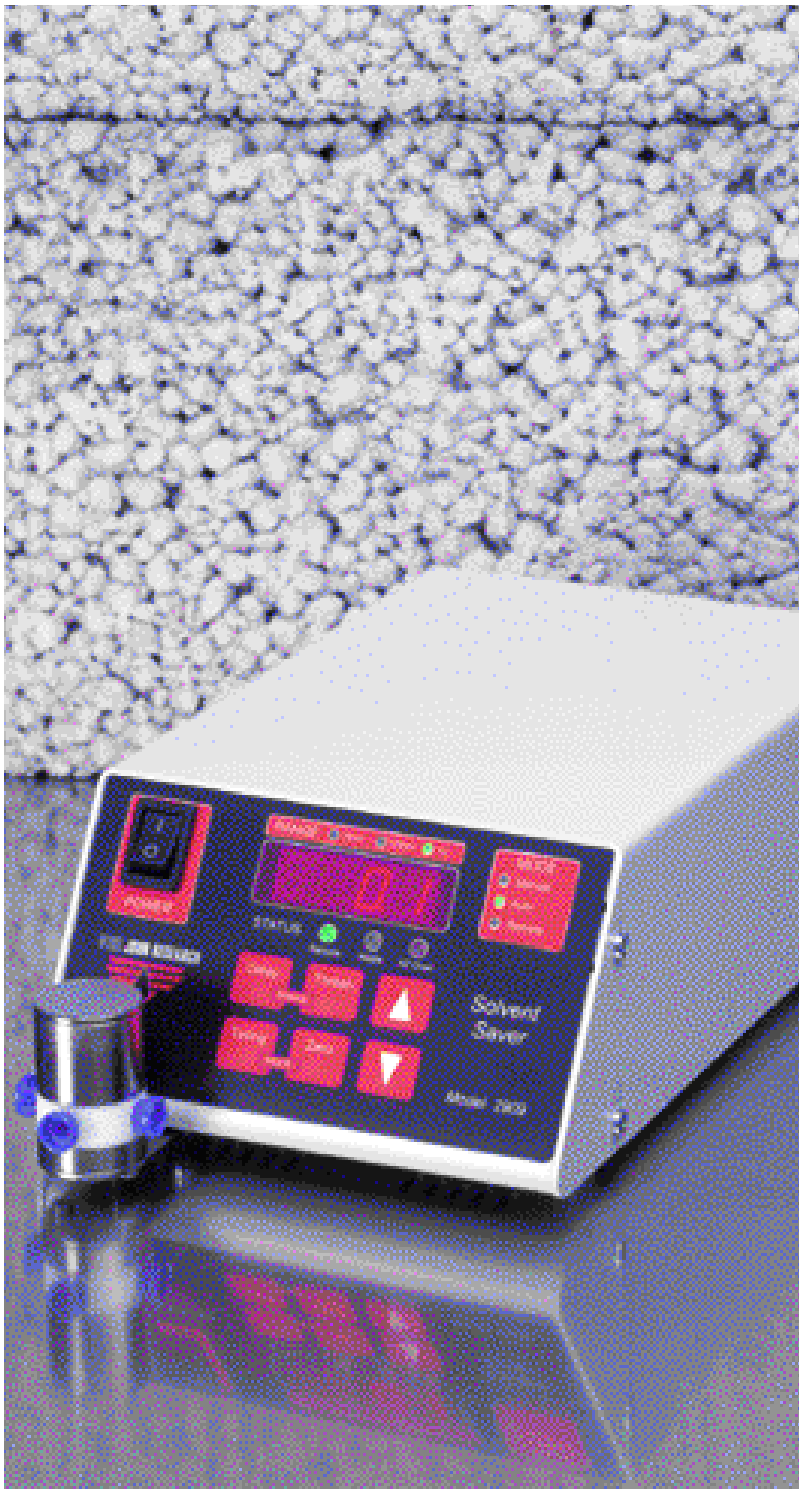
The Model 2909

Solvent Saver



The Solvent Saver reduces the need of solvents for the isocratic HPLC with up to 80 %. It does not only reduces the cost of the solvent drastically, but also combines ecological and economical efforts in HPLC.

Solvent Saver Model 2909

- **Reduces Mobile Phase consumption up to 80%**
- **Reduces disposal Cost**
- **Pays for itself in less than 90 days**
- **Recycles unused solvent**
- **Solvent Saver is small, trouble free, fast and installed without problems to almost every detector**

The ecological demands of analytical methods serving the enviroment are still not meeting the reality. In order to analyse samples for the protection of our environment, we use methods like HPLC, which itself contributes to the contamination of our environment with solvents.

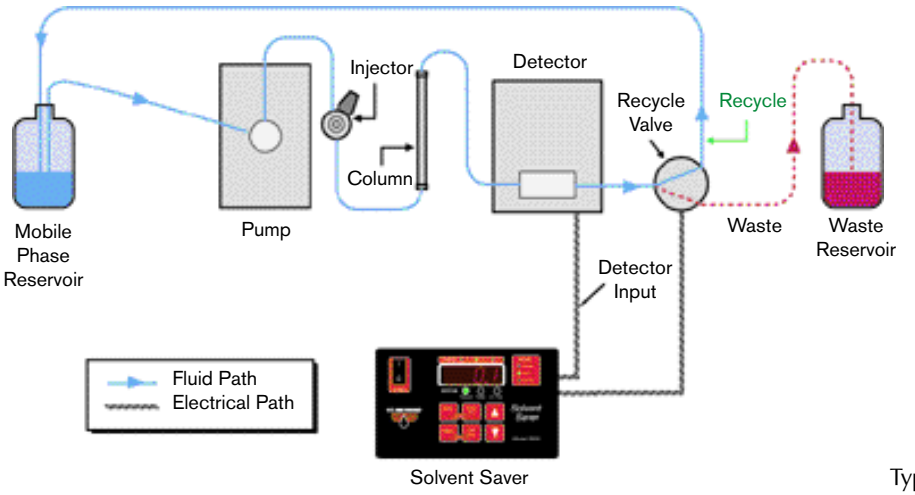
Many liters of these solvents, dangerous and some of them also cancerogeneous, are used every year in each HPLC-system. Most often are these, used solvents' in fact not contaminated at all. They still could be used again. Looking at a typical isocratic HPLC-analysis, only 20 % of the solvent is usually contaminated with the sample. Very seldom the user will have the time to recycle 80% unused solvent.

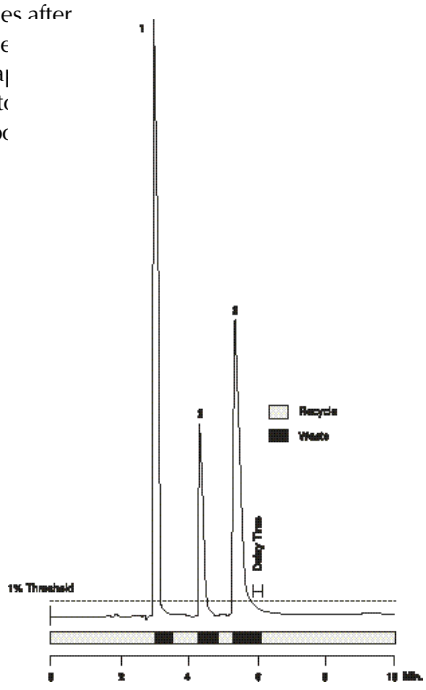
Here the Solvent Saver will help in protecting the environment and at the same time save your budget.

Operating principle:
The Solvent Saver is an electro magnetic switching valve with a threshold detector. It is connected with the HPLC-detector and it is used to divert the detector effluent either to waste or back to the mobile phase container. The valve's position is determined by the control module which permanently monitors the detector signal. When the signal appears, due to a peak or other contaminants, over a user defined threshold limit (absolut value, this means both negative and positive range) the valve switches after the delay time (user de dependent on the ca length between detect Solvent Saver) to waste pc

When the signal disappears back to the baseline, the user defined tailing time will hold the valve in the waste position (in order to send tailing peaks to the waste). After the tailing time has elapsed the valve will switch back to recycling position.

The valve switching may also be triggered by manual setting or in the remote control mode (Systemcontroller, PC).





Typical use of the Solvent Saver in the isocratic HPLC

Solvent Saver Model 2909	
Part No.	Description
2909-220	VICI Jour Solvent Saver 220 VAC 50/60 Hz
2909-110	VICI Jour Solvent Saver 110 VAC 50/60 Hz

Solvent Saver Specifications	
Power:	100/110/220/240 V, 50/60 Hz (please specify)
Display:	3 1/2 digits
AutoZero:	Manual
Dimensions:	140 (B) x 250 (T) x 80 (H) mm, 1.1 kg
Programming:	Keypad on frontside
Working temperature:	10°C to 60°C
Flowrate:	up to 20 ml/min analytical up to 400 ml/min preparative
Controlling:	Detectorsignal in the Automode, Remote, manual

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