DB100CE, INDUSTRIAL SOLVENT RECYCLER

The DB100CE solvent recycler effectively reclaims used solvent for reuse and segregates solid waste like paint for disposal. With a **Uni-ram** solvent recycler the operation becomes “Greener”. The facility can improve its Waste Generator Status with Environmental Agencies as used solvent transported off site is reduced by approximately 90%.

Solvent purchases typically drop by approximately 90% and the waste hauling charge also drops by approximately 90%. The 10% waste from recycling is considered hazardous unless the Disposal Service advises otherwise. Cost savings are shown on the next page.

FEATURES

- Batch process, 75 L capacity.
- Recycles in 8-15 hrs. typically.
- Voltage: 220-240V, single phase.
- Construction: 18 gage, 304 stainless steel cabinet.
- Distillation Tank: 316 Stainless steel.
- Cooling: High efficiency 316 stainless steel condenser with motor driven fan.
- Waste Collection: The waste is collected in a high temperature nylon bag. Teflon bags are available.
- Dimensions: 107cm w x 58cm d x 119cm h
- Solvent Transfer: Transfer in/ out by timer.
- Control System: Operational control and continuous monitoring by sophisticated micro-processor with status messages. Self test mode.



WITH NEW PATENTED AUTO LID-LOCK

SAFETY

- ATEX and IECEX certified; Ex d ib 11A T2 Gb
- Control System: A microprocessor continously monitors and controls the work flow. Self diagnostics.
- **New, patented safety Auto Lid-lock system** automatically locks the safety cover in place when recycling starts, preventing the operator and others from inadvertant exposure to hot surfaces. The cover remains locked until the solvent recycler has cooled to a safe 50 degrees C.
- Pressure Relief System: Prevents pressure build up over 3-5 PSI.

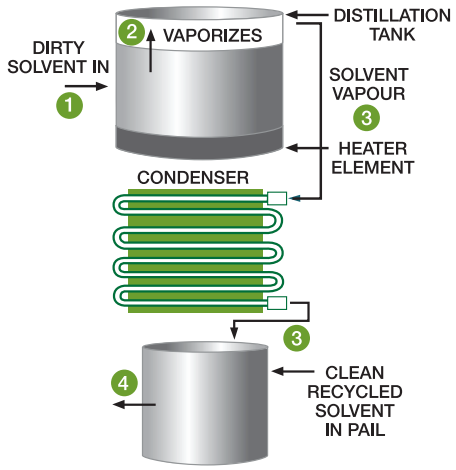
APPLICATIONS include:

- reclaim lacquer thinners used to remove paint and debris from spray painting equipment.
- reclaim solvents like acetone used to clean equipment used in fibrerglass construction.

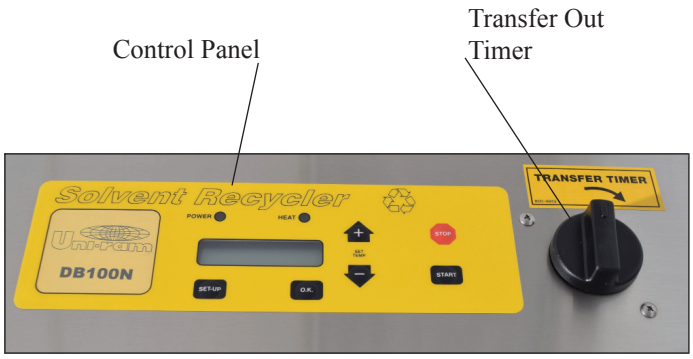
WITH A DB100CE THE OPERATION BECOMES “GREENER” AND THE OPERATING COSTS DROP.



RECYCLING PROCESS



1 Dirty solvent is pumped in.
2) Heater is turned on, solvent vaporizes.
3) Solvent travels through condenser to a container.
4) Clean recycled solvent is pumped out for reuse.



Control Panel

COST SAVINGS

Example: A company cleans tools and equipment with the solvent, MEK.

Curent Costs	
Solvent Purchases (L/month)	830
Unit Cost ($/L)	4.24
Solvent Cost ($)	3520.00
Disposal Quantity (L/month)	830
Unit Cost ($/L)	.85
Disposal Cost ($)	705.00
Total Cost ($)	4,225.00
Annual Cost ($)	50,700.00 (A)

Costs After Aquisition of a Solvent Recycler		
Solvent Purchase Cost (typically 10%)		352.00
Disposal Cost (typically 10%)		70.00
Total Monthly Cost ($)		422.00
Annual Cost ($)		5064.00 (B)
Annual Savings ($)	(A-B)	45636.00

IMPORTANT !! Not for use with nitrocellulose, present in resins and paints of wood products.

Uni-ram
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