



## DB100CE SERIES, 75 L 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%.

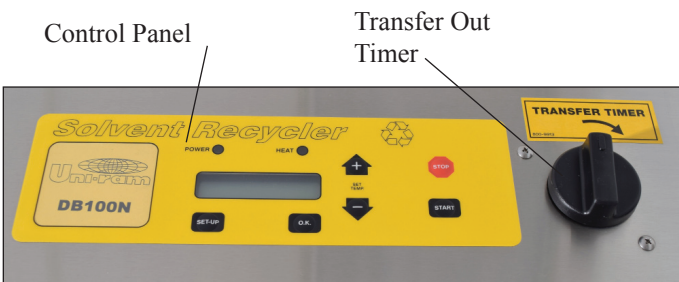
Solvent purchases typically drop by approximately 90% and the waste hauling charge also drops by approximately 90%. The 10% waste from recycling is considered hazardous unless the Disposal Service advises otherwise. Cost savings are shown on the next page.

### 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: Auto fill. Fill by timer is available. Transfer out by timer.

### Safety:

- Certified to IECEx and ATEX safety directives by SGS Fimko Oy with compliance to ATEX directive Group II Category 2G Ex db ib IIA T2 Gb. for use with solvent in zone 1. ATEX certification number is Baseefa11ATEX0118 and IECEx certification number is BAS 11.0057.
- Many built-in safety programs. Continuous self-diagnostics with error messages.
- Cover of lid is locked during recycling.
- 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 fiberglass construction.

- Control System: Operational control and continuous monitoring by sophisticated micro-processor with status messages. Self test mode.

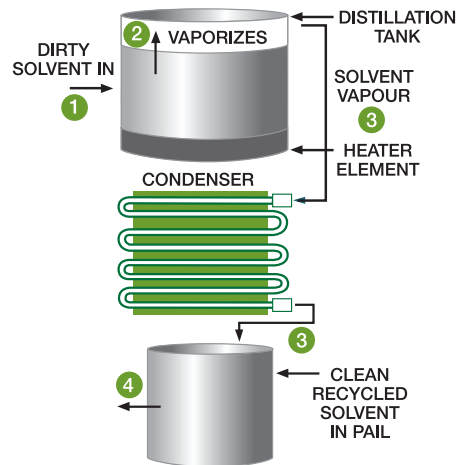
**WITH A DB100CE THE OPERATION BECOMES “GREENER” AND THE OPERATING COSTS DROP.**



Receiving container for clean solvent



### 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.



Tank and Lid

### OPTIONAL FEATURES

- Vacuum Assist
- Pneumatic Drum Mixer
- Pat-Light with Buzzer
- Rapid Tank Cooling
- Filter system for water recycling
- Fill by Timer option

### OPTION

- P
- M
- L
- R
- W

### COST SAVINGS

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

#### Current 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 Acquisition 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.



Manufacturers of Solvent Recyclers

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