



DB100N SERIES, 20 GALLON INDUSTRIAL SOLVENT RECYCLER

The DB100N, 20 gallon, 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

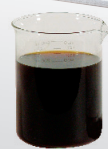
- Batch process, 20 gallon capacity.
- Recycles in 8-15 hrs. typically.
- Voltage: 220-240V, single phase.
- Construction: 18 gage, 304 stainless steel cabinet.
- Distillation Tank: 316 Stainless steel.
- Cooling: High efficiency 316 stainless steel condenser with motor driven fan.
- Waste Collection: The waste is collected in a high temperature nylon bag. Teflon bags are available.
- Dimensions: 42” w x 23” d x 47” h
- Solvent Transfer: Auto fill. Fill by timer is available. Transfer out by timer.

Safety:

- Certification: UL Standard 2208 and CSA Standard 22.2 No. 30 and 88. Certified to Class 1 Division 1, Group D Explosion Proof standards.
- 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.



Control Panel



Used
Solvent



Clean, clear
solvent

Control Panel

Transfer Out
Timer

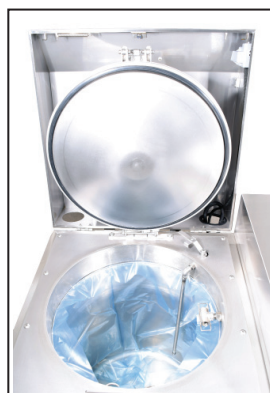


- Control System: Operational control and continuous monitoring by sophisticated micro-processor with status messages. Self test mode.

APPLICATIONS include:

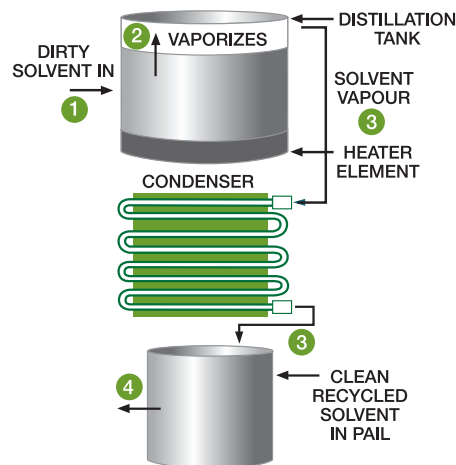
- reclaim lacquer thinners used to remove paint and debris from spray painting equipment.
- reclaim solvents like acetone used to clean equipment used in fiberglass construction.

WITH A DB100N THE OPERATION BECOMES “GREENER” AND THE OPERATING COSTS DROP.



Tank and Lid

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.

OPTIONAL FEATURES

- Vacuum Assist P
- Pneumatic Drum Mixer M
- Pat-Light with Buzzer L
- Rapid Tank Cooling A
- Filter system for water recycling W

OPTION

COST SAVINGS

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

Current Costs

Solvent Purchases (gal/month)	220
Unit Cost (\$/gal)	16
Solvent Cost (\$)	3520.00
Disposal Quantity (gal/month)	220
Unit Cost (\$/gal)	3.20
Disposal Cost (\$)	704.00
Total Cost (\$)	4,224.00
Annual Cost (\$)	50,688.00 (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)	45624.00

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



Manufacturers of Solvent Recyclers

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