



## DC100N SERIES, CONTINUOUS INDUSTRIAL SOLVENT RECYCLER

The DC100N 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%.

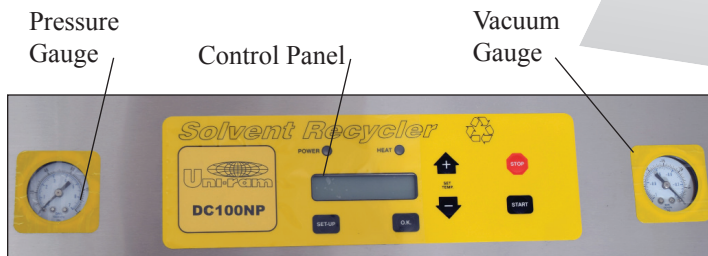
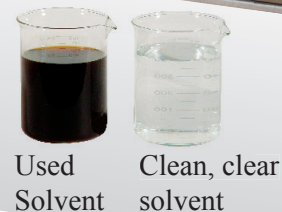
Solvent purchases typically drop by approximately 90% and the waste hauling charge also drops by approximately 90%. The 10% waste from recycling is considered hazardous unless the Disposal Service advises otherwise. Cost savings are shown on the next page.

### FEATURES

- Continuous process, 45-55 gallon drum per day capacity.
- 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 liquid waste is collected in a debris tray.
- 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 System: Operational control and continuous monitoring by sophisticated micro-processor with status messages. Self test mode.

### TYPICAL APPLICATION

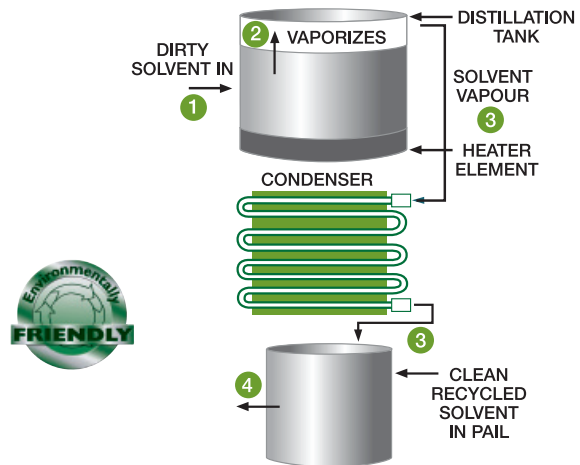
Varsol is used to clean oil and grease from parts and equipment. The DC100N recycles about 55 gallons of used varsol in a continuous process per day. The waste oil and grease is collected in the debris tray for later disposal. The clean recycled varsol is reused.

**WITH A DC100N THE OPERATION BECOMES “GREENER” AND THE OPERATING COSTS DROP.**

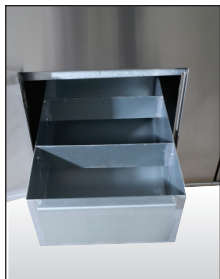


Debris Tray

### 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.



Debris Tray



Tank and Lid

### OPTIONAL FEATURES

- Vacuum Assist P100
- Pneumatic Drum Mixer M
- Pat-Light with Buzzer L
- Rapid Tank Cooling A100
- Filter system for water recycling W100
- Recycle solvent and water mixture G (DC100G)

### OPTION

G (DC100G)

### COST SAVINGS

**Example: A company cleans parts and equipment with the solvent, varsol.**

#### Current Costs

Solvent Purchases (gal/month)	400
Unit Cost (\$/gal)	16
Solvent Cost (\$)	6400.00
Disposal Quantity (gal/month)	400
Unit Cost (\$/gal)	3.20
Disposal Cost (\$)	1,280.00
Total Cost (\$)	7,680.00
Annual Cost (\$)	92,160.00 (A)

#### Costs After Acquisition of a Solvent Recycler

Solvent Purchase Cost (typically 10%)	640.00
Disposal Cost (typically 10%)	128.00
Total Monthly Cost (\$)	768.00
Annual Cost (\$)	9,216.00 (B)
Annual Savings (\$) (A-B)	82,944.00

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



Manufacturers of Solvent Recyclers

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