



## DC100N SERIES, CONTINUOUS INDUSTRIAL SOLVENT RECYCLER

The DC100N solvent recycler effectively reclaims used solvent for reuse and segregates liquid waste like oil 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, recycles about 45-55 gallons per day.
- 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. 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.

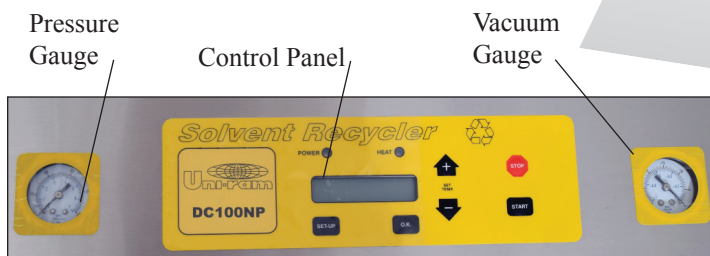


Control Panel



Used Solvent

Clean, clear solvent



Pressure Gauge

Control Panel

Vacuum Gauge

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

### TYPICAL APPLICATION

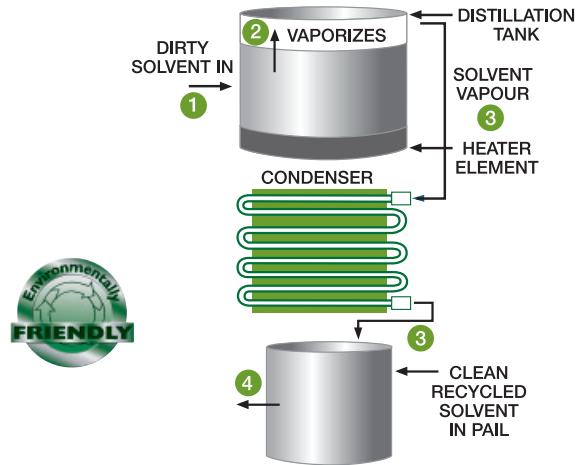
Varsol is used to clean oil and grease from parts and equipment. The DC100N recycles about 45-55 gallons of used varsol in a continuous process per day. The waste oil and grease is collected in the debris tray for later disposal. The clean recycled varsol is reused.

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

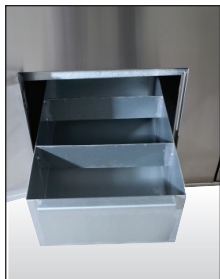


Debris Tray (Inside)

### 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

### OPTION

- Vacuum Assist P
- Pneumatic Drum Mixer M
- Pat-Light with Buzzer L
- Rapid Tank Cooling A
- Filter system for water recycling W
- Recycle solvent and water G
- Gasket - Viton (Default) V
- Gasket - Teflon T

Note: With vacuum assist, solvent recycles at a lower temperature and at a slightly faster rate.

### 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



Manufacturers of Solvent Recyclers

381 Bentley Street, Markham, Ontario,  
Canada L3R 9T2  
Tel: 800-417-9133 905-477-5911  
Fax: 905-477-8922  
sales@uniram.com

May 2019