

# Uni-ram Solvent Recyclers

## PROVIDE A "GREENER" OPERATION WITH REDUCED OPERATING EXPENSES

With a Uni-ram recycler the operation becomes "Greener". The solvent waste transported off-site is reduced by up to **95%** because the solvent is reclaimed on-site then effectively reused. The shop could improve its Waste Generator Status with Environmental Agencies and help local government achieve waste reduction goals. It no longer has to complete a waste manifest

and schedule waste solvent pickups. The shop no longer has liability for off-site transportation of its waste. Solvent is available on demand. With a Uni-ram recycler unnecessary solvent purchases are eliminated; purchases drop by up to **90%**. Waste disposal costs drop by up to **95%**. **Profitability** improves.



**CUSTOMERS APPRECIATE "GREEN" INITIATIVES.**

## ECONOMY MODELS

**Uni-ram** solvent recyclers effectively reclaim used solvent by segregating the waste residue in a bag in the distillation tank. The clean, distilled solvent can be used over and over with virtually no loss of cleaning power. Typical solvents are paint thinner, gun wash solvent, acetone and MEK.

*Uni-ram recyclers feature fast cook times and easy to handle waste residue. Unique hardened aluminum tank construction provides excellent heat transfer.*

### URS500, High Performance

- Capacity:** 5 US gal (20 L)  
**Speed:** 4-6 hrs  
**Power Supply:** 120 V, 1,500 W Heater.  
**Display:** LEDs indicate heating and cooling phase and any self diagnostics.  
Microprocessor controls work flow.

### URS500EP2

URS500EP2 is the same as the URS500 with auto transfer of solvent to and from the recycler.



URS500



In a collision repair shop the **URS500EP2** complements a spray gun cleaner, such as Uni-ram's **UG6000E**. Used wash solvent from the spray gun cleaner can be transferred to the recycler with the turn of a knob for recycling and previously recycled solvent can be transferred back to the spray gun cleaner, allowing the operator to continue to clean spray guns.



UG6000E

URS500EP2

# ENHANCED MICROPROCESSOR



URS900EP2

## URS900EP2

**Tank Capacity:** 5 gal (20 L)

**Recycling Time:** 4-6 hrs

**Power:** 240 V  
min 85 PSI

**Solvent Transfer:** Auto transfer to and from the recycler by Uni-ram pneumatic diaphragm pump

## URS900

Same as the URS900EP2 without auto transfer.

## MICRO PROCESSOR

Sophisticated micro processor controls work flow. Heating and cooling phases, operating parameters and any diagnostic messages are displayed on the LCD screen. Operator can make selections from the menu to customize the recycling operation. For example, if a drier residue is required the heating phase can be extended.

## URS2000

**Tank Capacity:** 20 gal (80L)

**Recycling Time:** 8-10 hrs

**Power:** 240 V  
min 85 PSI

**Solvent Transfer:** Auto transfer in and out by Uni-ram pneumatic diaphragm pump



URS2000



# SOLVENT RECYCLERS

## SPECIALTY MODELS

**URS600:** same as URS500 except 230/240 V instead of 120V.

**URS600EPS:** same as URS600 with auto solvent transfer to / from the recycler.

**URS900SS:** same as URS900 with corrosive resistant stainless steel fluid passageways including tank, fittings and condenser.

**URS2000SS:** same as URS2000 with corrosive resistant stainless steel fluid passageways including tank, fittings and condenser.

## STANDARD OPERATING FEATURES - ALL MODELS

- Distillation by vaporization and condensation
- Automatic shut off
- High efficiency condenser, air cooled with motor driven fan
- Direct heating - low maintenance with no heating oil to dispose of
- Polished stainless steel, corrosive resistant cabinet for years of dependable service
- Sealed electric heating element with heavy-duty insulation
- Complete with 3 disposable tank liner bags and 1 lid gasket.

## SOLVENT REQUIREMENTS

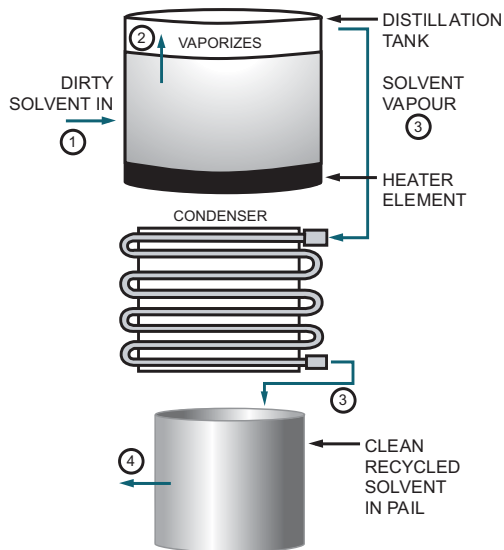
- Distillation temperature between 50° and 200° C (140° F and 392° F)
- Ignition point above 260° C (446° F)
- **Safety caution:** not for use with esters of nitrocellulose often found in wood stains.

## REPLACEMENT PARTS

<b>770-2150N</b>	Lid Gasket, Black, for URS500-900
<b>LB900B-10</b>	Liner Bags, URS500-900, 1 x 10-pack
<b>LB900B-100</b>	Liner Bags, URS500-900, 10 x 10-pack
<b>LB900B-250</b>	Liner Bags, URS500-900, 25 x 10-pack
<b>960-2150N</b>	Lid Gasket, Black, for URS2000
<b>LB2000E10</b>	Liner Bags, URS2000, 1 x 10-pack
<b>LB2000E100</b>	Liner Bags, URS2000, 10 x 10-pack



### DISTILLATION PROCESS



### DISTILLATION TANK OF A SOLVENT RECYCLER



### EASY TO USE

1. Transfer dirty solvent to the distillation tank of the recycler
2. Press Start; the heater vaporizes the solvent.  
Residue remains in a heat resistant liner bag in the tank.
3. Clean solvent vapor cools as it flows through the condenser to the clean solvent pail.
4. Transfer clean solvent from the recycler.

### SAFETY FEATURES

**CONTROL SYSTEM:** A sophisticated micro processor continuously monitors and controls the work flow. Self diagnostics.

**SAFETY:** Certified to UL Standard 2208 and CSA Standard 22.2 No. 30 and 88. For use in the non hazardous locations and hazardous location Class 1 Division 1; Group D. A facilities such as a Collision Repair Shop, by NEC, is a Class 1, Division 1 environment in the mixing room and Class 1, Division 2 in the shop. Uni-ram recyclers are approved for use in such facilities.

Popular models are CE and ATEX e II 2G Ex dib IIA TA approved.



# SOLVENT RECYCLER

Model	Capacity (gal/L)	Time to Distill (hr)	Voltage (V)	Max Temp (°C)	Heater (W)	Auto Transfer	Dimensions (w" x d" x h")	Weight (lb/kg)
URS500	5/20	4-6	120	200	1,500	No	17 x 17 x 42	130/59
URS500EP2	5/20	4-6	120	200	1,500	In/Out	17 x 17 x 42	140/64
URS900	5/20	4-6	240	200	2,100	No	28 x 17 x 43	175/80
URS900EP2	5/20	4-6	240	200	2,100	In/Out	28 x 17 x 43	185/84
URS2000	20/80	8-10	240	200	3,400	In/Out	42 x 23 x 45	450/205

**Uni-Ram Solvent Recyclers eliminate the need to haul dirty solvent off-site. Costs drop dramatically with on-site recycling. Solvent is available on demand.**

## SAMPLE COST ANALYSIS

For a company that generates one 55 gallon drum of waste solvent per month costs drop by \$6,416 per year due to lower solvent purchases and disposal costs. See below.

### COST FOR OFF-SITE DISPOSAL

Waste Solvent per month (US gal)	55
Waste Solvent per year (US gal)	660
Solvent replacement cost (@\$5.00/gal)	\$3,300
Solvent disposal cost (@\$6.00/gal)	\$3,960
<b>Total (A)</b>	<b>\$7,260</b>

### COST FOR ON-SITE RECYCLING

Top up with virgin solvent (10%)	\$330
Disposable Bags \$2.00x 132 Bags	\$264
Disposal of Solid waste \$250/Drum	\$250
<b>Total (B)</b>	<b>\$844</b>
<b>Annual Savings (A-B)</b>	<b>\$6,416</b>

Notes: Actual cost may vary depending on solvent consumption, replacement cost, disposal costs and evaporation rates.

### North America

- 2 Year Warranty
- 1st year parts and labour, 2nd year parts
- Service Centers nationwide

### International

- 2 Year Warranty
- 1st year parts and labour, 2nd year parts
- Models also available in the following voltages:  
200 VAC, 220 VAC, 230 VAC

**Over 10,000 companies in over 20 countries have purchased Uni-ram solvent recyclers to reclaim used solvent, minimizing the generation of hazardous waste and lowering operating cost. Customers include dealerships of all major car manufacturers, Boeing Corporation, paint manufacturers such as Sherwin Williams, Standox and PPG. Demand for Uni-ram recyclers grow as users and environmental agencies focus on ways to reduce hazardous waste.**



**CORPORATION** Manufacturer of Solvent Recyclers

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