



## THE MOST PRODUCTIVE SOLVENT RECYCLING SYSTEMS DESIGNED TO SAFELY AND EFFICIENTLY RECLAIM USED SOLVENTS



- **Fully automated and virtually maintenance-free** units featuring the most efficient process for **safely recycling solvents and other hazardous chemicals**.
- Generate substantial savings in both **reduced solvent usage** (95% and more recycling rates can be obtained) and **reduced solvent purchase**.
- Distillation process allows for the end product to be clean, distilled, and ready for subsequent cleaning applications.
- **Built in safety features** allows for the system to keep cooling the machine when shut down for emergencies.
- Ergonomically designed units to control and eliminate harmful vapors, **complies with or exceeds international safety standards and are certified explosion proof (CSA<sup>1</sup>, and NFPA<sup>2</sup>)** .
- **Certified with the industry's best warranty** - 2 full years - supported by your local ISTpure certified and trained professional distributors for sales and installation service centers across North America.

<sup>1</sup> CSA certified for USA and Can. Class 1, Div. 1, Group D.

<sup>2</sup> National Fire Protection Association: <http://www.nfpa.org/>

For most common types of solvents such as acetone, MEK, lacquer thinner and more.



## SOLVENT RECYCLERS SPECIFICATIONS

Description	MODEL	
	SR30	SR60
Part number 240 V - 1 Φ (60 Hz)	325030	325060
Nominal amperage (240 V)	11.0	24.0
Boiler capacity gal / L	7.5 / 30	15 / 60
Plastic bag part number (100-pack)	300006	300019
Cover seal part number	304018 (orange or black)	304023 (orange) - 304024 (black)
Thermic oil part number	330067	330068
Recycling Time	4 to 6 hours	
Working Temperature	40-200 °C / 104-390 °F	
Condenser	Copper	
Heater (W)	2 500	5 000
Shipping Weight* (lb)	385	610
Shipping dim's (D x W x H) (in.)	32 x 32 x 69	44 x 48 x 86

\* Approximate, depending upon options.

For most common types of solvents such as acetone, MEK, lacquer thinner and more.



### SOLVENT RECYCLERS SPECIFICATIONS

Description	MODEL		
	SR120	SR180	SR240
Part number 480 V - 3 $\Phi$ (60 Hz)	326070	326080	326230
Part number 600 V - 3 $\Phi$ (60 Hz)	325070	325080	325230
Nominal amperage (480 V / 600 V)	22.8 / 18.3	20 / 16.9	24.8 / 19.5
Boiler capacity gal / L	30 / 120	40 / 180	63 / 240
Plastic bag part number (100-pack)	300008	300009	300010
Cover seal part number	304020 (orange) - 304025 (black)		
Thermic oil part number	4 x 330068		6 x 330068
Recycling Time	4 to 6 hours		
Working Temperature	40-200 °C / 104-390 °F		
Condenser	Copper		
Heater (W)	10 000	15 000	18 000
Shipping Weight* (lb)	1 200		2 100
Shipping dim's (in.) (D x W x H)	55 x 80 x 86	55 x 80 x 86	55 x 87 x 86

\* Approximate, depending upon options.

For heavier-than-air solvents such as mineral spirit, naphtha, varsol and more.



SR30V



SR60V

## SOLVENT RECYCLERS SPECIFICATIONS

Description	MODEL	
	SR30V	SR60V
Part number 240 V - 1 Φ (60 Hz)	325031	325061
Nominal amperage (240 V)	11.0	24.0
Boiler capacity (gal / L)	7.5 / 30	15 / 60
Boiler bag part number (100-pack)	300006	300019
Cover seal part number	304018 (orange or black)	304023 (orange) - 304024 (black)
Thermic oil part number	330067	330068
Recycling Time	4 to 6 hours	
Working Temperature	40-200 °C / 104-390 °F	
Condenser	Copper	
Heater (W)	2 500	5 000
Shipping weight* (lb)	445	820
Shipping dim's (in.) (D x W x H)	32 x 48 x 69	38 x 48 x 86

\* Approximate, depending upon options.

For heavier-than-air solvents such as mineral spirit, naphtha, varsol and more.



**SOLVENT RECYCLERS SPECIFICATIONS**

Description	MODEL		
	SR120V	SR180V	SR240V
Part number 480 V - 3 Φ (60 Hz)	326090	326095	326231
Part number 600 V - 3 Φ (60 Hz)	325090	325095	325231
Nominal amperage (480 V / 600 V)	22.8 / 18.3	20 / 16.9	24.8 / 19.5
Boiler capacity gal / L	30 / 120	40 / 180	63 / 240
Plastic bag part number (100-pack)	300008	300009	300010
Cover seal part number	304020 (orange) - 304025 (black)		
Thermic oil part number	4 x 330068		6 x 330068
Recycling Time	4 to 6 hours		
Working Temperature	40-200 °C / 104-390 °F		
Condenser	Copper		
Heater (W)	10 000	15 000	18 000
Shipping weight (lb)	1 200		2 100
Shipping dim's (in) (D x W x H)	55 x 80 x 86	55 x 80 x 86	55 x 87 x 86

\* Approximate, depending upon options.

### OPTIONAL EQUIPMENT

1. **Stainless Steel Upgrade Kit** available to protect the cooling and piping system from highly corrosive solvents.
2. **Vacuum systems** decrease the boiling point of certain solvents by 20 to 30% thereby leading to less energy consumption .
3. **Auto-fill systems** use the dirty solvent pump to transfer the dirty solvent into the boiler. The process is controlled by a high level switch inside the boiler and is backed by fill sequence timers in the software.
4. **External light kit** box allows the remote monitoring of the recycler from a centralized control room.
5. **Solvent transfer hose kit** equipped with a filter to assist in the transfer of clean and used solvent.
6. **Overfill protection kits** for vacuum tanks in case the operator forgets to empty the vacuum tank full of solvent. This switch will prevent the dirty solvent pump from transferring the dirty solvent into the boiler until the vacuum tank has been emptied.
7. **High temperature kit** for high heat solvent distillation above 180°C / 356°F.
8. **Nitrocellulose Protection System** allows for boiler temperature and water pressure sensor monitoring to ensure safe operating procedures at high temperatures.
9. **Crane systems and sludge removal baskets**
10. **Quick Oil Cooling Systems.** This feature directs oil through a multi-plate heat exchanger, by circulating the thermal oil through a condensing system to quickly lower the oil temperature. The oil draws the heat away from the sludge until the sludge reaches a safe temperature to handle. This allows the operator to dispose of the sludge from the boiler under safer temperature conditions.

Oil cooling system



(#305095)

Solvent transfer hose kit



(#306070)

Autofill system



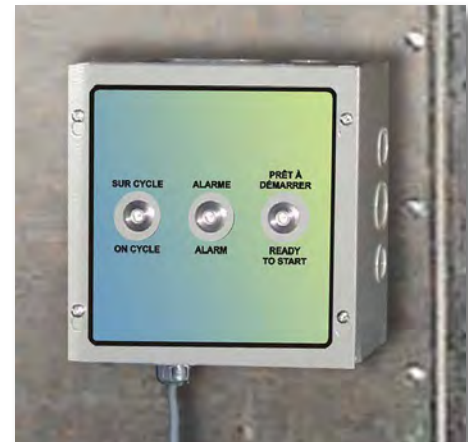
(#306055)

Stainless steel kit



(#305053)

Light kit



(#305050)

Crane systems and sludge removal basket



(#320005 - basket ) (#320010 - crane )

## CASE STUDIES AND TESTIMONIALS

**Company :** Bellmont Cabinet Co.,  
**Web site :** www.bellmontcabinets.com  
**Location :** Sumner, Washington, USA.  
**Industry :** Residential Cabinetry.  
**Type of Unit Installed :** SR120.  
**Recycled Solvents :** Paint and stain related solvent blends.  
**Volume Recycled :** 330 gallons/month.  
**Experience with Solvent Recyclers :** + 10 years.  
**Annual Waste Disposal Savings :** \$ 10 584  
**Annual Solvent Purchasing Savings :** \$ 27 720  
**Total Annual Savings (minus operating costs) :** \$ 35 574  
**Return on Investment :** 7 months.

### **Keven King**

Finish Equipment/HazMat supervisor

*"Ease of set up and parameter programming. Ease of operation. Virtually maintenance free other than annual thermic oil change and lid gasket replacement every 2 years. There are 4 main solvents in the blend. Recovered solvent blend is very near clear. Removal of still bottoms, tank clean up and reload takes 30 minutes. The savings are significant if the recycler is running every day.*

*The recycler definitely helps keep our dangerous waste shipments lower. The only drawback is that we have solvents that have a pretty high boiling point which only allows us to run one cycle a day, due to the long cool down time."*

**Company :** Canyon Creek Cabinet Company  
**Web site :** www.canyoncreek.com  
**Location :** Monroe, Washington, USA.  
**Industry :** Kitchen Cabinet Manufacturer.  
**Type of Unit Installed :** SR180.  
**Recycled Solvents :** Acetone.  
**Volume Recycled :** 765 gallons/month.  
**Experience with Solvent Recyclers :** 5 years.  
**Annual Waste Disposal Savings :** \$ 36 720.  
**Annual Solvent Purchasing Savings :** \$ 42 900.  
**Total Annual Solvent Purchase Savings :** \$ 79 620.  
**Return on Investment :** 4 to 5 months.

### **John Earl**

Environmental Manager

*"It saves us a lot of money, reduces the waste shipped off-site and the purchase of virgin acetone to clean the fluid lines. We also sell our excess distilled acetone to nearby metal finishing companies."*

## PAY BACK & SAMPLE COST ANALYSES

Monthly Cost For off-site disposal	Example	Calculate your own	
A. - Waste solvent per month	55 gal / 208 L		gal/L
B. - Solvent replacement cost	\$ 5.00	\$	
C. - Solvent disposal cost	\$ 4.00	\$	
D. - Total (B + C ) * A =	\$ 495.00	\$	
E. - Total * 0.9 (10% rate loss in evaporation)	\$ 445.50	\$	
F. - Rental of gun cleaner	\$ 250.00	\$	
G. - Total cost per month (E+F)	\$ 745.00	\$	
H. - Annual savings with recycler (G*12 months)	\$ 8 940.00	\$	
I. - Operation cost of unit per year			
a. (Disposables bags - Maintenance - Electricity) (H* 9)	\$ 894.00	\$	
J. - Net Savings with Recycler	\$ 8 045.00 **	\$	

**\*\* RECYCLERS PAYS FOR ITSELF IN LESS THAN A YEAR \*\***

### Benefits of Owning a Solvent Recycler Include :

- Significantly reduce waste.
- Major reduction in waste-related expense.
- Major savings in reduced material purchases.
- Reduced fire & spill hazards.

### Industrial Applications :

- Aerospace
- Auto Assembly
- Body Shop
- Bus
- Fiberglass
- Flexography
- Furniture
- General Metal
- Printing
- Rail Car
- Truck

### INNOVATION AND LEADING TECHNOLOGY

Founded in 1978, IST is a North American leader in solvent recycling systems, paint gun washers, industrial cleaning equipment and automated sandblasting systems. The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service.

Working closely with qualified distributors and paint manufacturers, ISTpure offers systems, products and technologies that set the quality standard in a wide range of cleaning and recycling solutions. ISTpure provides equipment for a wide range of industries for cleaning paint equipment including the automotive and industrial solvent recycler series that minimizes solvent usage and disposal.

ISTpure's ongoing investment in paint gun cleaning, solvent recycling, industrial cleaning and sandblasting systems will continue to provide innovative solutions to a diverse global market. Call today for product information, to request a demonstration or for a free quote.

