



www.progressive-recovery.com



PlateVac™ Flexo Washout Solvent Recovery

Safe, Self-Contained | Piped Directly to Plate Processor | Simple, Automatic Operation



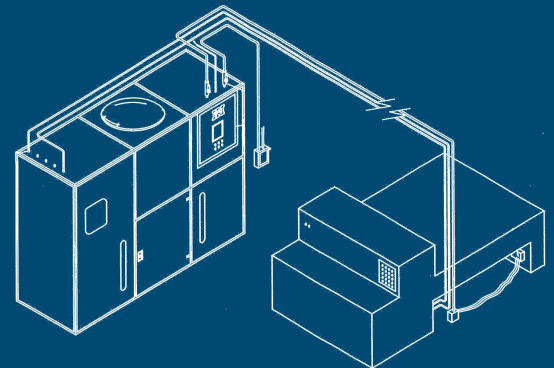
The Photopolymer Recovery Problem

Off-site reclamation services are inefficient and high risk, and standard in-house recovery systems are not appropriate...

Solvent-based chemistry remains a major factor in the making of flexographic photopolymer printing plates. To keep operating costs competitive, shops making solvent-based plate must recycle their plate wash solution. There are two methods for reclaiming spent plate wash: 1) send the solvent off site to a service for reclaim, or 2) install an in-house distillation system.

Off-site Is Inefficient and Risky: Using an off-site distillation service increases risk exposure due to transportation liability and potential environmental cleanup costs. More importantly, since recovery services operate on a volume basis, maximizing the output of its distillation equipment is crucial, forcing many services to reclaim less solvent from the customer's waste. Companies choose instead to reclaim a portion and make up the rest by topping off the remainder with virgin solvent and charging the customer accordingly. Service companies cannot deliver the lowest operating cost for plate makers.

Standard In-House Systems Aren't Appropriate: Standard in-house solvent recovery systems require placement in a specially designed explosion-proof room, engineered to safely allow the processing of hazardous combustible materials. Most in-house recovery systems are not capable of being hard-piped directly to the plate processor. These systems also require the constant handling of 55-gallon drums of wash solution.



Sample Room & Connection Layout

Introduced by PRI in 1992, the PlateVac™ line of solvent recovery systems revolutionized the industry by providing a compact, all-inclusive packaged system designed to be hard-piped directly to the plate processor, operating automatically, supplying clean reclaimed plate wash upon demand. PlateVac™ systems are designed to contain solvent fumes and safely operate inside the plate room. No special explosion-proof construction is needed. The PlateVac™ flexo washout solvent recovery system also delivers tremendous efficiency, returning as much as 97% of waste solvent processed at a fraction of the cost of plate wash reclaimed at an off-site service.



The PlateVac™ Answer

Fully integrated, simple, enclosed, on-site, automatic solvent recovery.

PRI's PlateVac™ provides fully integrated, automatic control of recovery and recycling operation, minimizing human operator involvement and streamlining the printing process. Additionally, PlateVac™ offers several distinct advantages over traditional distillation systems:



Automatic, Closed Loop Operation:

PlateVac™ is piped directly to the plate processor. Dirty solvent storage, distillation, clean solvent storage and automatic feed are all made on demand - with minimal manpower involved.



Class 1, Division 2 Enclosure:

PlateVac™ can be located in the plate-making room; no special rooms or areas need to be constructed or modified; no change to the plate room is required. PlateVac™ provides a total system solution. Distillation, clean and dirty solvent storage, and controls are packaged in one clean enclosure.



More Cost Effective than Off-site Recovery:

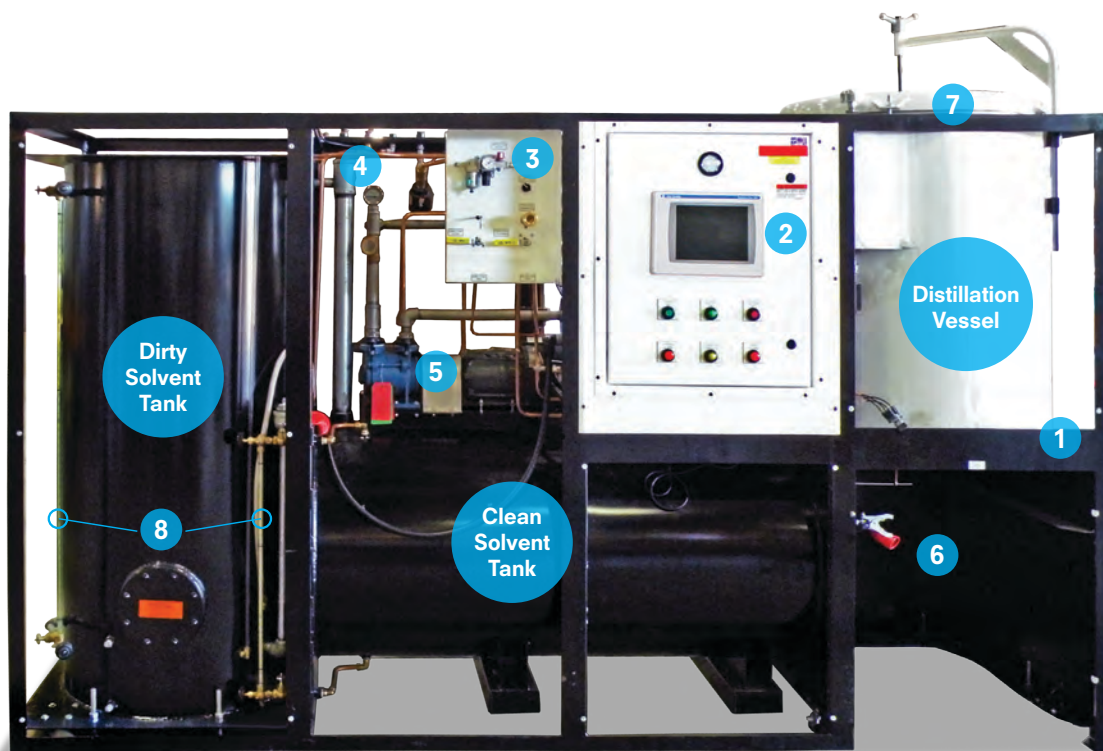
Don't let haul away services make off with your money. Off-site haul away recovery services are expensive, and increase liability during transportation and handling. The PRI PlateVac™ system costs up to 86% less than haul-away recovery services.



SSR Maximizes Recovery Rate:

Every PlateVac™ is equipped with our proprietary SSR system that is injected back into the distillation vessel during the distillation process. Toward the end of the process, the SSR is injected to keep the material flowing and to take the place of valuable solvent. By utilizing the SSR system, we can recover up to 97% of process solvent.

Take A Look Inside a PlateVac™ System:



1

Class 1, Division 2 Enclosure

2

Operational control panel

3

Manual clean solvent access panel

4

Piping and utility connections

5

Vacuum system

6

Solids discharge (drum size opening)

7

Vessel top lid access

8

Tank level sight glasses

The Right Tool for Every Application

The PlateVac™ family includes safe, efficient plate wash recovery systems that cover the needs from the small tag and label shop, up to the largest corrugated plate-making facility. Systems are available with estimated production capabilities ranging from a little over two gallons per hour to over 100 gallons per hour. Each one is backed by PRI's exclusive Ten Year Standard Limited Warranty and PRI's dedicated Customer Service team to help our clients maintain and service their recovery systems for the life of the equipment.

MODEL	RATE*	Height	Width	Depth	WEIGHT
PV-25-CL	8.3 L/h (2.2 G/h)	2591 mm (8' 6")	1524 mm (5')	914 mm (3')	817 kg (1800 lbs)
PV-50	15.1 L/h (4 G/h)	2235 mm (7' 4")	1753 mm (5' 9")	889 mm (2' 11")	907 kg (2000 lbs)
PV-100	26.5 L/h (7 G/h)	2400 mm (7' 10.5")	2616 mm (8' 7")	838 mm (2' 9")	1134 kg (2500 lbs)
PV-200	53 L/h (14 G/h)	2375 mm (7' 9.5")	3324 mm (10' 11")	895 mm (2' 11.3")	1814 kg (4000 lbs)
PV-300	114 L/h (30 G/h)	2895 mm (9.5')	4877 mm (16')	1219 mm (4')	2948 kg (6500 lbs)
PV-500	170.3 L/h (45 G/h)	3251 mm (10' 9")	4877 mm (16')	1219 mm (4')	3175 kg (7000 lbs)
PV-750-R	261.2 L/h (69 G/h)	4907 mm (16')	5487 mm (18')	2314 mm (7')	3311 kg (7300 lbs)
PV-1000-R	412.6 L/h (109 G/h)	6096 mm (20')	7255 mm (23' 10")	2058 mm (6' 11")	6124 kg (13500 lbs)



PV-25-CL



PV-750-R

Additional Services & Offerings

Other related products and services available from PRI for the flexo plate maker:

- Factory Refurbished PlateVac System (as available)
 - includes new control system, motors, pumps, heaters and new limited factory warranty
- Controls Package Upgrade Service
- Spare Parts Available Overnight in Most Instances
- Team of Factory Trained Field Service Technicians
- Service and Repair on All Brands of Recovery Systems
- PRI Surrogate Solution Replacement (SSR)
 - often imitated, never duplicated
 - keeps recovery rates high
 - avoid distillate carry over from knock offs
 - minimizes boiling vessel cleaning



Solvent Wash & Recovery | Biowaste Sterilization | Custom Process Skids | Service

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