

SC-55 **E**

55 Gallon Bagged Solvent Recovery System
for Paints, Coatings and Resins



Efficient. Robust. Pays for Itself, Fast.

Designed for long service life and a fast Return On Investment (ROI), the SC-55E is a safe, easy to operate, bag solvent recycler perfect for applications such as paint line cleaning for industrial manufacturing.

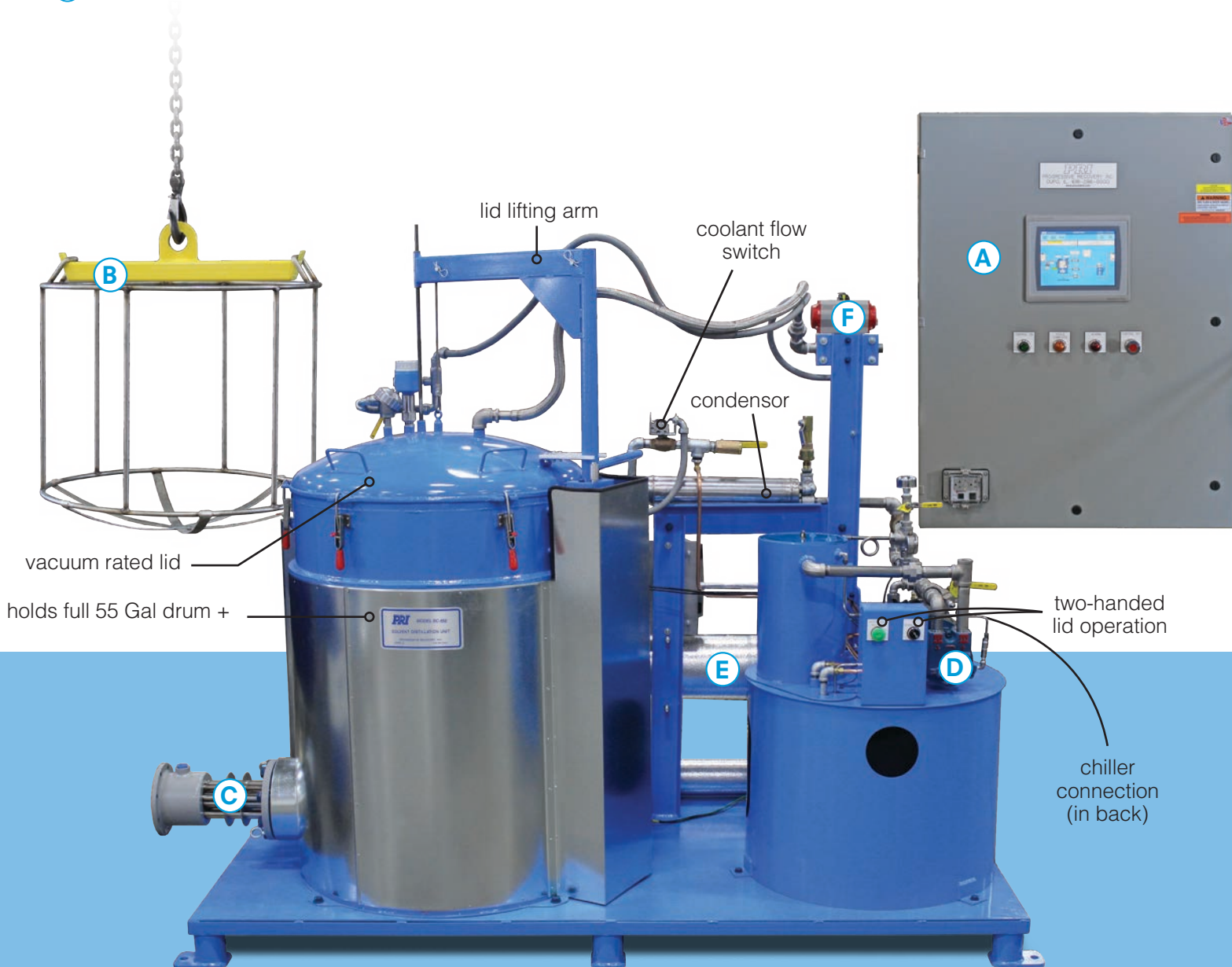
- **Up to 99% Recovery Rate:** maximum removal of solvent allows waste sludge to be disposed of as non-hazardous, if local regulations allow. Maximize recovery, minimize disposal expenses.
- **Intelligent Controls:** Allen Bradley control system offers recipe customization, integration with clean and dirty solvent tanks, and communication with building automation systems.
- **Maximum Efficiency:** designed with integrated vacuum and cooling systems for faster cycles and greater energy efficiency. Heating jacket surrounds entire vessel to ensure even heat transfer.
- **Built for Safety:** closed filling eliminates operator exposure to waste solvent. Automatic lid lifter offers ergonomic operation.
- **10 Year Warranty:** only PRI offers a 10 year warranty on the distillation vessel, offering the best value in the industry.
- **Long Service Life:** PRI systems carry the lowest life-cycle cost in the industry, with high durability and long life – over 75% of our systems sold in the last 15 years are still in service.
- **Fast Return on Investment:** with a high recovery rate and less waste disposal cost, the SC-55E pays for itself, typically in about a year.



Engineered for Maximum Performance

Heavy-Duty Industrial Design for Long Service Life. Features Include:

- (A) Advanced Allen Bradley control system to integrate with existing equipment and building automation systems or feed tanks. Includes built-in reminders for oil changes and service.
- (B) Bag retaining basket with integrated lifting support points to minimize strain.
- (C) CoolHeat™ low watt density electric heater in oil jacket for extended heater and oil life.
- (D) Dedicated LiquiVac™ liquid ring vacuum pump with dedicated cooling circuit for long, reliable, maintenance-free service life. Offers consistent vacuum levels throughout the life of the machine to eliminate variability from jet systems - the #1 issue with other brand units.
- (E) Optional ChillDown™ active oil cooling system rapidly cools still bottoms, allowing for faster turnaround between cycles.
- (F) Capable of running in continuous AutoFill™ or batch modes.

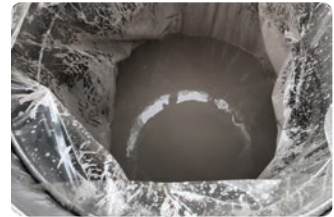


Bag Solvent Recovery Operation:

1. Place retaining basket inside vessel. Insert a new solvent recovery bag, and place the bag retaining ring inside the bag.
2. Close the lid, and clamp the lid toggles down.
3. Fill the vessel with solvent to be recycled. Filling takes place through the top lid, and stops once the level probe recognizes it is full (or by manual stop if desired).
4. Start the cycle via the control panel. Heating takes place through the oil jacket, throughout the circumference of the entire vessel, ensuring an even transfer of heat.
5. Solvent vapors from the top of the chamber are condensed and transferred to the recycled solvent receiving drum or tank.
6. Once the cycle is complete, the distillate flow will end, and the unit will shut off for active (or passive) cooling. Once cool, the solvent recovery bag can be removed and dry residue can be disposed of.
7. The system is now ready for the next cycle.



new bag inside vessel



dirty solvent ready to be recycled



dry residue after distillation



Configure Your System:

Specifications:

MODEL	CAPACITY	RATE*	HEATER	A	B	C	WEIGHT
SC-55E	235 L (62 G)	55 L/h (14.4 G/h)	18.0 kw	1626 mm (5' 4")	1524 mm (5')	1524 mm (5')	499 kg (1100 lbs)

* "Defined Rate" is defined as 2000 BTU/gal. solvent being distilled at 100 deg. differential between the solvent and the heating media.

Configuration Options:

SC-55E Distillation Unit Only

For users who are looking for batch bag solvent recovery only, without vacuum or rapid operation. Add other options for greater versatility.



AutoFill™

Runs distillation in continuous mode with addition of a pump (or your existing pump). Continuously fills chamber as solvent evaporates. Maximizes clean solvent output.



LiquiVac™

Dedicated LiquiVac™ liquid ring vacuum pump with cooling circuit for long, reliable, maintenance-free service life.



Chiller

Industrial chillers sized for optimal condensation of clean solvent and optional ChillDown™. Controls fully integrated with SC-55E.



ChillDown™

ChillDown™ active oil cooling system rapidly cools still bottoms, allowing for faster turnaround between cycles.



Glycol Loop

Remote air cooled unit with free standing air coil and fan recirculates the coolant for the distillation unit's condenser and reduces water use.



Process Tanks

Can incorporate PRI's industry-leading clean or dirty process tanks for automatic, drumless operation. UL142 and ASME listed.



Mounted Davit Arm

Davit arm can be mounted to skid, for users who do not have overhead hoist or prefer the unit to operate fully within the skid.



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

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