PRODUCT DATASHEET

Spent Solvent Recycling Still

Batch distillation stills that recover spent solvents for reuse

Product page





Close-up: still head and condenser

OVERVIEW

The Tech Inc. Spent Solvent Recycling Still recovers spent solvent from cleaning, coating, printing and pharma processes by batch distillation. The dirty solvent is boiled in a thermal-oil or steam-heated still, the vapour is condensed and collected as clean solvent, and the residue of paint, resin or product is discharged at the end of the batch.

TYPICAL DESIGN DATA

Solvents	Acetone, alcohols, esters, ketones, thinners, hydrocarbons and chlorinated solvents by agreement
Boiling range	To about 200 °C, higher under vacuum
Heating	Thermal oil, steam or electric
Materials	316L wetted parts
Hazardous area	Ex-rated motors and instruments, earthing and nitrogen purge
Design code	ASME VIII for the still and condenser

MODELS AND CAPACITIES

- **TI-SRS-60** – about 60 L per batch
- **TI-SRS-200** – about 200 L per batch
- **TI-SRS-500** – about 500 L per batch
- **TI-SRS-1000** – about 1,000 L per batch
- **TI-SRS-C** – continuous, sized to the flow

Indicative batch volume of spent solvent.

ORDERING CODE

Example **TI-SRS-200-V-F**: **200** batch volume, L; **V** mode: A atmospheric, V vacuum, C continuous; **F** options: F fractionation column, S scraper agitator, R residue bagging.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** fractionation column; thermal-oil heater; residue bagging or drum discharge; solvent quality check (density or water content); test distillation of your solvent.

KEY ADVANTAGES

- **Lower costs** – less fresh solvent and less waste
- **Safe** – hazardous-area build and interlocks
- **Clean product** – distilled solvent ready for reuse
- **Easy to empty** – scraper and bottom discharge for residues

How to cite: Spent Solvent Recycling Still (model TI-SRS; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/solvent-recycling-still

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