Solvent Recovery Unit

LT-AS0110 | Distillation system for trichloroethylene

Two tanks • Electric heating • Water-cooled condensation



10 L/h

APPROXIMATE MAXIMUM THROUGHPUT

25 kg

UNIT WEIGHT

From contaminated to recovered solvent • Laboratory use

LT-AS0110

Photograph and Equipment Components

Level indicators, drain valves and front control panel

The solvent recovery unit recovers contaminated trichloroethylene from asphalt testing by distillation. Separate tanks for contaminated and recovered solvent keep the two liquids apart.

TOP COVER AND FILLING

The top cover and filling section provide access to the unit's tanks.

LEVEL INDICATORS

Separate front indicators allow liquid quantities in both tanks to be monitored.



DRAIN VALVES

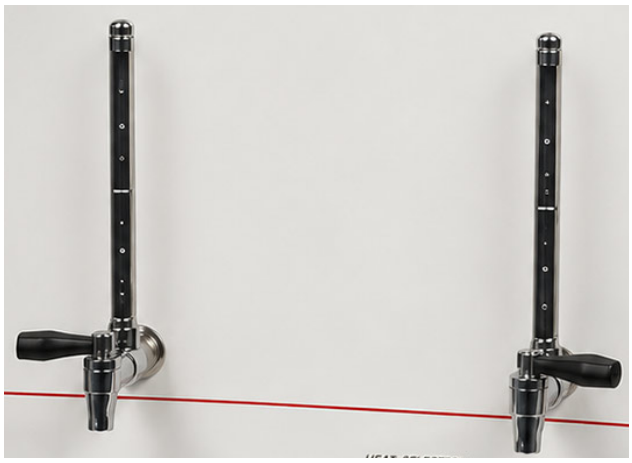
The front valves allow liquid from the tanks to be collected separately.

HEATING CONTROLS

The on/off switch and heat-selection knob are on the front panel.



Front-panel on/off switch and heat selection

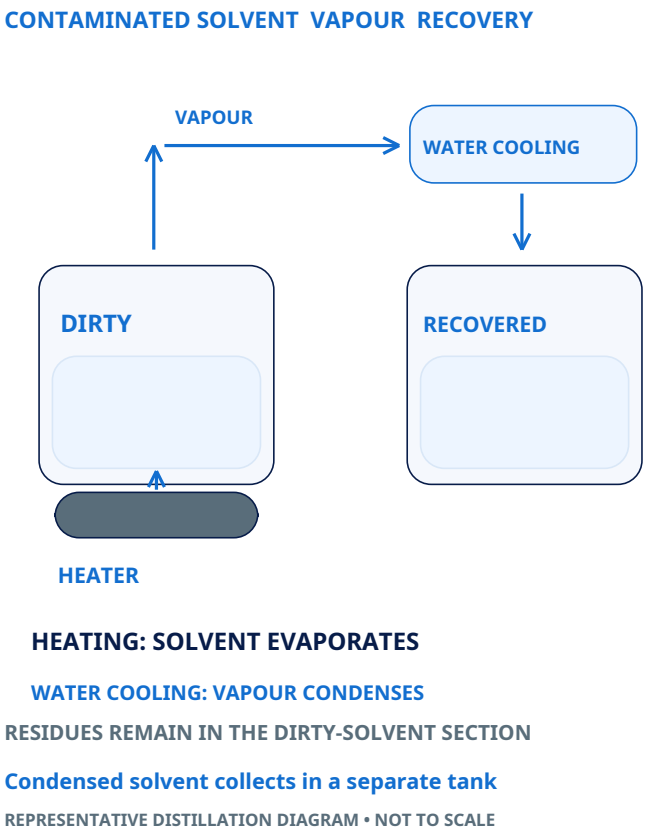


Level indicators and drain valves

LT-AS0110

Distillation and Solvent Recovery

Load contaminated solvent • Vaporise • Condense • Collect



Prepare and Load

Check solvent suitability, tank levels and connections before operation.

Heat and Condense

Connect the cooling water supply. Apply heating as specified by the unit instructions.

Collect and Evaluate

Collect recovered solvent separately; check its suitability before reuse.

Electric heating vaporises the contaminated solvent. Less volatile bituminous and solid residues remain in the dirty-solvent section. Water-cooled condensation turns vapour back into liquid; recovered solvent accumulates in its separate tank.

Using Recovered Solvent

Evaluate recovered solvent under the laboratory control procedure. Reuse it only after confirming suitability for the intended test.

Keep contaminated, recovered and new solvent containers separate and labelled. Record processed and recovered quantities to track solvent consumption.

Setup and Post-Operation Checks

Check the cooling-water supply and connection tightness. Monitor level indicators and manage tank fill levels according to equipment instructions.

Operate under suitable local exhaust. Switch off heating and allow the unit to cool before draining residues and cleaning the tanks.

Technical Specifications and Accessories

LT-AS0110 | Dual-tank solvent distillation system

Technical Feature / Component	Value / Description
Product Code	LT-AS0110
Processing Capacity	Up to approximately 10 L/h
External Dimensions	32 × 40 × 65 cm
Weight	25 kg
Power Supply	220 V, 50-60 Hz, single phase
Tank Arrangement	Separate contaminated and recovered solvent tanks
Internal Tank Surfaces	Stainless steel
Heating / Condensation	Electric heating / Water cooling
Level Monitoring	Two separate liquid-level indicators
Connection Accessories	2 m plastic tubing, tube clamps and lid
Sieve Insert	0.6 mm openings

Cooling Water and Solvent Suitability

Check water supply and connections before distillation. Collect recovered solvent separately and evaluate its suitability for reuse under the laboratory procedure.

From Contaminated Solvent to Reuse

01
Load
Add suitable contaminated solvent to the tank.

02
Distil
Vaporise using electric heating.

03
Condense
Cool vapour with water to recover liquid.

04
Check
Evaluate recovered solvent suitability.

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