

## Soxhlet Extractor

The solvent is heated to reflux. The solvent vapour travels up a distillation arm, and floods into the chamber housing the thimble of solid. The condenser ensures that any solvent vapour cools, and drips back down into the chamber housing the solid material. The chamber containing the solid material slowly fills with warm solvent. Some of the desired compound dissolves in the warm solvent. When the Soxhlet chamber is almost full, the chamber is emptied by the siphon. The solvent is returned to the distillation flask. The thimble ensures that the rapid motion of the solvent does not transport any solid material to the still pot. This cycle may be allowed to repeat many times, over hours or days.

### Features:

Core sample diameter: up to 4" for industrial model, up to 1.5 for educational model

Core sample length: up to 8" for industrial model, up to 4 for educational model

Extractor capacity: 3 liters for industrial model, 250 cc for educational model

Boiling flask: 5 liters for industrial model, 500 cc for educational model

Heating temperature up to 400°C

Water cooling system 0.5 to 3 liters per minute, 18°C

Power supply: 220 VAC 50 Hz



