

Soxhlet's apparatus

一、 Product presentation

The Soxhlet extractor is an instrument designed to extract and separate organic compounds such as fats based on the Soxhlet extraction principle. It features five extraction methods: the standard Soxhlet method (national standard method), heated Soxhlet extraction, hot extraction, continuous flow, and CH standard hot extraction. Widely used in agriculture, food, environmental, and industrial applications for fat extraction, it is also applicable to extracting soluble organic compounds from pharmaceuticals, soil, sludge, and detergents.



二、 Product features

compact design, rapid heating via water bath, and uniform warmth distribution.

- 1)The heating temperature can be adjusted according to the SARS and ambient temperature.
- 2)Digital display and control temperature, timing integrated high integration instrument, control is free and convenient.
- 3)The system features a standard Chinese national standard extraction

bottle or a solvent recovery bottle with a PTFE valve for solvent recycling. The solvent recovery feature significantly enhances user convenience and saves time. The sample undergoes repeated soaking and extraction during the process to ensure rapid extraction. The extraction time is adjustable, with an alarm triggered when the time is up.

- 4)All kinds of organic solvents can be used, including benzene, ether, ketone, etc. technical parameter, technical parameters:

三、 Product Features

Project	Parameter
Number of samples to be tested	6 at the same time
Solvent for extraction bottles	250ml or 500ml
measurement range	Grains, feeds, oilseeds, and various fat products with oil content ranging from 0.5% to 60%.
sample volume extracted	0.05g
control method	liquid-crystal display
heating method	heating in water bath
temperature control mode	unified temperature control
temperature control range	Room temperature: 5℃ to 100℃
time control	0~9999m

temperature control accuracy	$\pm 1^{\circ}\text{C}$
solvent recovery	$\geq 80\%$
recovery system, reconditioning system	Automatism
heating power	800W
heating-up time	About 10 minutes
supply voltage	220V, 50Hz
physical dimension	750×240×750 (mm)
Weight	24Kg