

CO2 SUPERCRITICAL FLUID EXTRACTION EQUIPMENT

Supercritical CO2 Neem Oil Extraction Machine

Model HSFE-10

A 10L supercritical fluid extraction system rated to 50MPa and 85°C, with one extractor and two separators, for solvent-free neem oil and other botanical extraction.



Specifications

Model	HSFE-10
Extraction kettle	10L
Working pressure	50MPa
The flow of CO2	0~50L/h
Voltage	3 phase 380V 50HZ
Extraction temperature	Ambient temperature to 85°C



Key Benefits

Twice the kettle volume

10L of extraction volume in the same process window as the 5L machine.

No solvent to purge

The neem oil leaves the separator without residual solvent.

Two-stage separation

Two separators allow fractions to be taken off independently.

Recycled CO2

CO2 is used in circulation rather than consumed each batch.

Technical Features

- Multi-function SPE equipment, intermittent or continuous working mode
- One extractor and two separators
- Additive can be added to the supercritical fluid
- Pressure vessel design to the related national standard with overpressure protection
- Pressure, temperature and flow shown on gauges and digital instruments
- All stainless steel pipe parts, valves and pipelines

Request a quotation

Send two things and a full specification comes back: the raw material you will process, and the production capacity you need per batch. Machines are supplied from 0.5L to 200L and larger capacity is customised on request. Email info@better-industry.com or call +86-21-60518061.