

PRECISION IN EVERY DETAIL

OLCQQ-03

Jet extractor

Automatic liquid-liquid extraction for batch sample preparation.

**3**

Simultaneously extracted samples

>95%

Extraction efficiency stated in the source

1-999 s

Adjustable time

From specialist instruments to complete laboratory solutions.

Product brochure · V0.0.7

01

PRODUCT ADVANTAGES

One-touch extraction with clear configuration.

Product introduction

A liquid-liquid automatic extractor developed and manufactured by Fly Science for the HJ637-2018 method cited in the source. It extracts petroleum hydrocarbons, volatile phenols and anionic surfactants from surface water, groundwater, tap water, industrial wastewater and domestic sewage.

01

Batch processing

The original literature specifies extraction of 3 samples in two minutes, with high extraction efficiency.

02

Repeatability

Mechanical movement supports extraction repeatability.

03

Automation

One-touch extraction with adjustable time and switching frequency.

04

Reduced direct contact

Reduces laboratory personnel's direct contact with toxic reagents.

05

Corrosion-resistant materials

The extraction system uses reinforced glass and corrosion-resistant, non-oil-wetting PTFE materials.

06

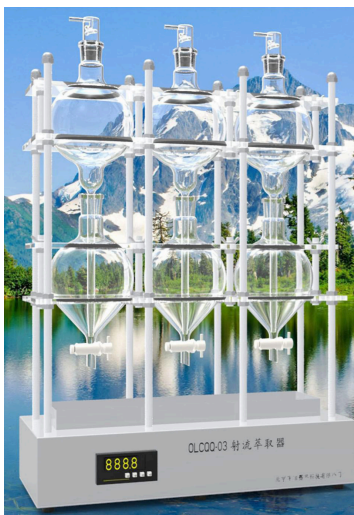
Convenient operation

Easy cleaning and straightforward installation.

02

EXTRACTION PRINCIPLE

Jet circulation increases contact between the two phases.



Instrument and glass-component illustration from the original brochure

Suction phase

A measured volume of water sample and tetrachloroethylene is added to the reservoir through the jet-bottle opening. A vacuum pump draws both phases through the narrow tail tube into the jet bottle. The denser tetrachloroethylene settles at the bottom, and partial extraction occurs as the sample passes through it.

Return phase

When the vacuum pump stops, both phases return through the narrow tail tube and strike the glass wall at the bottom outlet, increasing contact area for thorough extraction.

03

SPECIFICATIONS & APPLICATIONS

Applications and adjustable parameters.

Environmental monitoring

Petrochemicals

Tap water

Wastewater treatment

University research

Pollution-source enterprises

Third-party testing

Item	Specification
Application targets	Petroleum hydrocarbons, anionic surfactants, volatile phenols and related substances in water
Extraction efficiency	>95%
Extraction repeatability	<5%
Sample-volume range	0-1000 ml
Extraction time	1-999 s, adjustable
Extraction switching interval	1-999 s, adjustable
Simultaneous sample capacity	3 samples

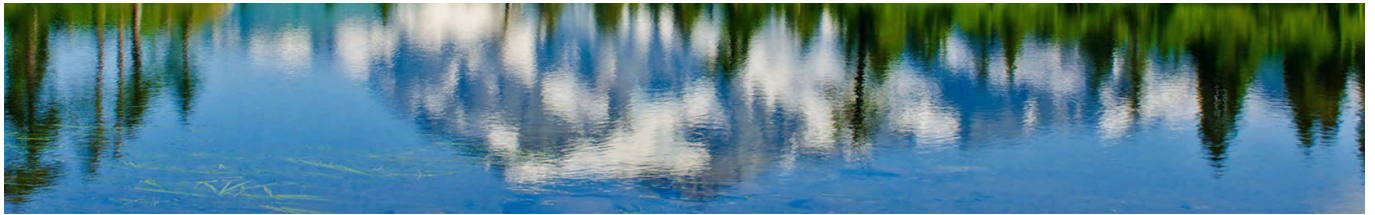
Standard cited in the original literature

HJ637-2018: Water quality — Determination of petroleum hydrocarbons and animal and vegetable oils — Infrared spectrophotometry.

03

SPECIFICATIONS & APPLICATIONS

Applications and adjustable parameters.



Environmental illustration from the original brochure