

QM-200

Multi-Purpose Medium Oil-Water Separator

PRODUCT POSITIONING

A mid-sized solution for washing, heat-treatment and small oily circulation-fluid applications, balancing flow rate, suction lift and filtration capacity.



FLOW RATE

200 L/H

SUCTION LIFT

3.0 m

POWER

60 W

FILTER

1.6 L

CORE VALUE

The three-ball floating suction unit adapts to a wider range of liquid levels; combined with a SUS304 filter, it suits medium-sized tanks that are farther away or show larger level fluctuations, as well as multi-purpose applications.

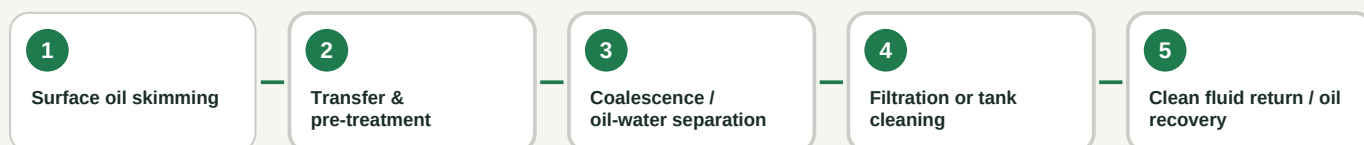
Detailed Technical Specifications

Data per this document version; model selection and non-standard configurations are subject to the final technical agreement.

Model	QM-200	Application	Washing, heat treatment
Dimensions	300 x 400 x 430 mm	Material	2.0 mm SUS304
Surface Finish	Brushed	Power Supply	AC 220 V
Power	60 W	Pump	B-75
Filter	1.6 L SUS304	Filtration Rating	1.0 mm
Max Passable Particle	2.0 mm	Suction Lift	300 cm
Flow Rate	200 L/H	Floating Suction Unit	Three-ball
Suction Radius	1.5 m	Port Standard	DN15 / DN25

Working Principle & Process

WORKING PRINCIPLE



How It Works

The three-ball floating suction device maintains stable intake as the liquid level changes, and the mixture is pumped to a slow-flow separation zone. Fine oil droplets coalesce into larger drops and rise quickly, while the SUS304 filter captures larger particles; the treated fluid returns to the circulation tank.

Applications & Solution Boundaries

Configure based on actual working conditions - avoid selecting by flow rate alone.

01 Washing Circulation Tanks

Treats tramp oil and suspended particles in medium-sized tanks.

02 Pre-Treatment for Low-Temperature Distillation

Serves as a tramp-oil pre-treatment unit, reducing downstream processing load.

03 Heat Treatment Tanks

For maintenance scenarios with surface contamination requiring greater suction lift.

04 Small-Scale Wastewater Treatment

Pre-separation for low-volume oily wastewater.

Selection Checklist

SELECTION CHECKLIST

- Tank dimensions and liquid-level variation
- Fluid temperature and pH (acidity / alkalinity)
- Piping distance and required suction lift
- Type and viscosity of the tramp oil
- Particle size and concentration of solids
- Target throughput and continuous run time

Delivery & Service

- Application review and model selection
- Guidance on piping connections and installation position

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Source: Electronic Brochure (1), QM-200 specification page.



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