Namola
INDUSTRIAL OIL-WATER SEPARATION

PRODUCT DATA SHEET

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	SUCTION LIFT	POWER	FILTER
200 L/H	3.0 m	60 W	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

1. **Surface oil skimming**
2. **Transfer & pre-treatment**
3. **Coalescence / oil-water separation**
4. **Filtration or tank cleaning**
5. **Clean fluid return / oil recovery**

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
- Type and viscosity of the tramp oil
- Fluid temperature and pH (acidity / alkalinity)
- Particle size and concentration of solids
- Piping distance and required suction lift
- 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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