

QDY-400

Mobile Industrial Oil-Water Separator

PRODUCT POSITIONING

A mobile tramp-oil treatment unit for machine tool, washing and heat-treatment sites, easily deployed across multiple tanks.



FLOW RATE

400 L/H

SUCTION LIFT

4.0 m

POWER

120 W

FILTER

4.2 L

CORE VALUE

A mobile body, generous suction lift and a 4.2 L stainless-steel filter suit multi-tank rotation work; the 3/4-inch three-ball floating suction unit improves level tracking and collection coverage.

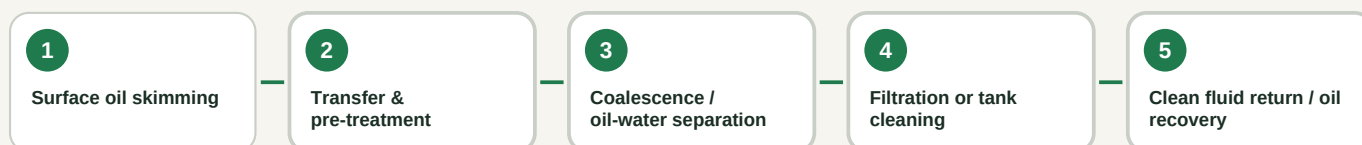
Detailed Technical Specifications

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

Model	QDY-400	Application	Machine tools, washing, heat treatment
Dimensions	350 x 500 x 1150 mm	Material	2.0 mm SUS304
Surface Finish	Powder-coated paint	Power Supply	AC 220 V
Power	120 W	Pump	G-140
Filter	4.2 L SUS304	Filtration Rating	1.0 mm
Max Passable Particle	5.0 mm	Suction Lift	400 cm
Flow Rate	400 L/H	Floating Suction Unit	3/4" three-ball
Suction Radius	2.2 m	Port Standard	DN20 / DN25

Working Principle & Process

WORKING PRINCIPLE



How It Works

The three-ball floating suction assembly stably draws the surface mixture across a wide liquid surface area, and the G-140 pump delivers it to the coalescing separation and filtration units. The higher flow rate and mobile chassis make it easy to work across multiple tanks in rotation.

Applications & Solution Boundaries

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

01 Centralized Machine Tool Maintenance

Move between machines and treat tramp oil on a planned schedule.

02 Heat Treatment Sites

Handles surface oil in remote or deep tanks.

03 Washing Lines

One unit can be shared across multiple washing tanks.

04 Small Water Pools

For small industrial circulation pools with a distinct floating oil layer.

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

Shanghai Huixiang Environmental Technology Co., Ltd.

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Source: Electronic Brochure (1), QDY-400 specification page; power may vary with configuration.



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