

QSV-100

Compact Separator for Cleaning Systems

PRODUCT POSITIONING

An all-stainless-steel vertical unit for ultrasonic cleaning equipment and small circulation tanks, emphasizing compactness, durability and easy integration with cleaning equipment.



FLOW RATE

100 L/H

SUCTION LIFT

1.0 m

POWER

25 W

PASSABLE PARTICLES

2.0 mm

CORE VALUE

With a SUS304 body and dual-ball floating suction device, it continuously collects surface oil from cleaning-fluid circulation tanks; with no built-in filter, the system configuration is simpler.

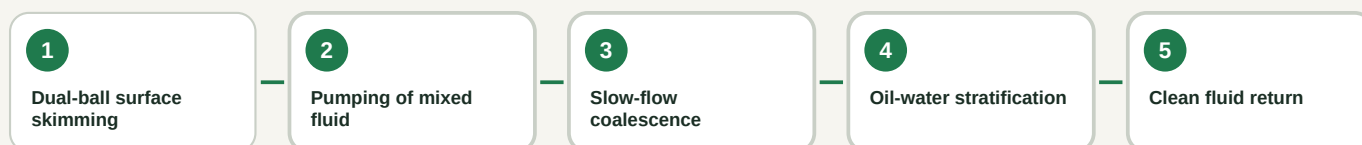
Detailed Technical Specifications

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

Model	QSV-100	Application	Ultrasonic cleaning systems
Dimensions	220 x 300 x 430 mm	Material	2.0 mm SUS304
Surface Finish	Brushed	Power Supply	AC 220 V
Power	25 W	Pump	B-75
Filter	None	Filtration Rating	N/A
Max Passable Particle	2.0 mm	Suction Lift	100 cm
Flow Rate	100 L/H	Floating Suction Unit	Dual-ball
Suction Radius	0.5 m	Port Standard	DN15 / DN20

Working Principle & Process

WORKING PRINCIPLE



How It Works

The dual-ball floating suction device keeps its inlet near the liquid surface as the level changes, preferentially drawing in surface contamination. After the oil-water mixture enters the vertical separation chamber, flow velocity drops and oil droplets coalesce and rise, separating and recovering the cleaning fluid from the floating oil.

Applications & Solution Boundaries

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

01 Ultrasonic Cleaning

Continuous treatment of surface oil and contamination brought in by workpieces.

02 Stainless Steel Environments

The brushed SUS304 body is easy to clean and suits humid environments.

03 Parts Washing

Online maintenance of circulation tanks on small washing lines.

04 Compact Integration

For space-constrained equipment units requiring close-by installation.

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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Service Hotline: 400-008-2160 Technical Consulting: 15900997201 Business Consulting: 15900997203

Address: Suite 501, Building 12A, Liandong U-Valley Xinqiao International Enterprise Port, Songjiang, Shanghai

Source: Electronic Brochure (1), QSV-100 specification page.



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