

QTY-2000

Oil Separation & Tank Cleaning System

PRODUCT POSITIONING

An integrated oil-water separation and tank-cleaning system for machining centers, combining tramp-oil treatment, tank-fluid circulation and rapid tank cleaning in one mobile system.



SEPARATION FLOW

200-1000 L/H

CLEANING FLOW

2000 L/H

SUCTION LIFT

4.0 m

FILTER CAPACITY

12 L

CORE VALUE

A high-flow tank-cleaning circuit works in coordination with an independent oil-water separation circuit - ideal for machining-center sites that need to shorten tank-cleaning downtime and improve coolant maintenance efficiency.

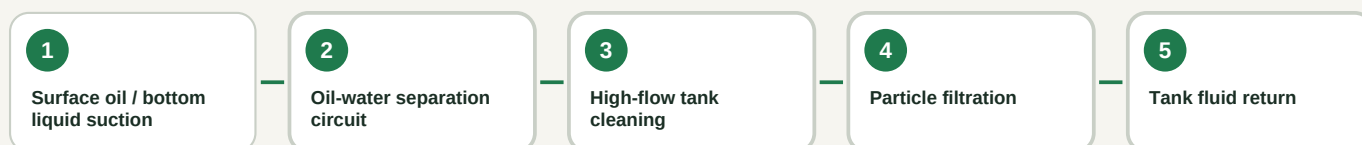
Detailed Technical Specifications

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

Model	QTY-2000	Application	Machining centers
Net Weight	approx. 73 kg	Air Supply Pressure	3-7 KPa*
Separation Flow	200-1000 L/H	Tank Cleaning Flow	2000 L/H
Suction Lift	400 cm	Filter Capacity	12 L
Inlet/Outlet Pipe Dia.	25 / 32 / 32 mm	Operating Temperature	5-85 deg C
Power Supply / Power	Per delivery configuration	Filtration Rating	Per target application
Floating Suction Unit	Per tank configuration	Control Mode	Per delivery configuration
Dimensions	Per confirmed drawings	Material	Per technical agreement

Working Principle & Process

WORKING PRINCIPLE



How It Works

The system divides surface tramp-oil treatment and bottom-sediment removal into separate working circuits: the separation circuit coalesces and recovers floating oil, while the tank-cleaning circuit carries away bottom particles at high flow and returns the fluid after filtration - shortening maintenance downtime.

Applications & Solution Boundaries

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

01 Machining Center Tank Cleaning

Rapidly extracts bottom sediment during fluid change or maintenance cycles.

02 Tank Fluid Circulation Filtration

Captures larger particles during tank cleaning and returns the fluid.

03 Continuous Tramp-Oil Treatment

The separation circuit handles surface tramp oil in the coolant.

04 Centralized Maintenance

Serves as a shared mobile maintenance unit for the workshop.

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.

Founded in 2015 · Specialized in R&D and manufacturing of industrial oil-water separation products · Serving 400+ manufacturing customers worldwide

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Source: 2025 Brochure (2), QTY-2000 specification page; unlisted items are subject to technical confirmation and delivery configuration.



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