



Comprehensive Manufacturer of Environmental Equipment
Challenging the Liquid Transfer Technology,

World Chemical Co.,Ltd.

URL <http://www.wcc.co.jp/en>

E-mail overseaschemical@wcc.co.jp

Head Office

3F., ANTEX24, 1-1-14, Taito,
Taito-ku, Tokyo, 110-0016 Japan

☎ 81-3(5818)5130 ☎ 81-3(5818)5131

Domestic sales department

☎ 81-3(5818)5130 ☎ 81-3(5818)5131

Overseas sales department

☎ 81-3(5818)5134 ☎ 81-3(5818)5131

Nagoya Office

1F., EIKEI Bldg., 1-307, Yashirogaoka, Meitou-ku, Nagoya-shi,
Aichi, 465-0051 Japan

☎ 81-52(701)1227 ☎ 81-52(701)1250

Osaka Office

3F., KOTANI Bldg., 1-19-25, Edobori, Nishi-ku, Oasaka-shi,
Osaka, 550-0002 Japan

☎ 81-6(6467)8565 ☎ 81-6(6467)8566

Tsukuba Factory

6127-5, Onogo-machi, Joso-shi,
Ibaraki, 300-2521 Japan

☎ 81-297(24)1071 ☎ 81-297(24)1075

Service Center

6127-5, Onogo-machi, Joso-shi,
Ibaraki, 300-2521 Japan

☎ 81-297(24)1071 ☎ 81-297(24)1075

■Note:

台湾華爾多科技股份有限公司
Worchemi Taiwan Co., Ltd.

台中市神岡區中山路 915 號
NO.915, Zhongshan Rd., Shengang Dist.,
Taichung City 42955, Taiwan

☎ 886-4-2562-8358 ☎ 886-4-2562-8351

URL <http://www.worldchemical.com.tw>

E-mail worchemi@ms34.hinet.net

World Chemical USA, Inc.

30 Hughes, Suite 203, Irvine, CA 92618, U.S.A

☎ 1-949-462-0900 ☎ 1-949-462-0999

URL <http://www.worldchemicalusa.com>

E-mail wca@worldchemicalusa.com

蘇州華而多科技有限公司

Suzhou World Technology Co.,Ltd.

江蘇省蘇州市相城經濟開發區富元路402號
402, Fu Yuan Road, Xiang Cheng, Economic District., Su Zhou, China

☎ 86-512-6579-821 ☎ 86-512-6579-8215

URL <http://www.worldchemical.com.cn>

E-mail worldchemical@wcc.szbnet.com



FLOATING OIL COLLECTING SYSTEM

GREASECOMING

1995 • 2001
Good design
Award



2003
Valor
Award



World patented
Double float
in 12 countries.

**35th EXCELLENT
ENVIRONMENTAL
AWARD**
Administrator of SME prize



FO

From low viscosity oil to high viscosity floating oil

Smooth Sticky



Specification

Model	YD-300FO series	YD-40FO series
Collecting type	Float suction type	Fix skimmer type
Performance	Collectable oil: Viscosity thermal denaturation oil, animal/vegetable oil (unset)	
Capacity	0.48 ton/hr.	
Outline	628×550×1362H	
System	Weight: Approx. 68kg (Dry state)	Full capacity weight: Approx. 103kg
Installation	Out door installation type	
Outline	φ460×297H	500×290×940H
Weight	Approx. 3kg	Approx. 8kg
Suction part	Suction inlet: φ35	φ40
Material	SUS304	
Hose	φ19	
Main body	Pump type: Rotary type (MI) / Snake type (SI) / Vane type (BI)	
Pump material	BC6 · CR rubber / NBR · SUS416 / SCS13 · PPS (Depend on the pump type)	
Motor	3 phase, 200V, 0.4kW, 4P, 50/60Hz, TEFC outdoor motor	
Pump control	Control the cycle by combining the PULLEY/ Belt and the frequency controller	
Separator structure	Cylinder-shaped specific gravity separation	
Separator material	SUS304	
Oil drain method	Automatic oil drain method with the large-size scraper	
Scraper motor	1 phase, 200V, 25W (with water-proof cover) midget-type geared motor (4rpm)	
Control panel	SS made Simple outdoor use type	
Board exterior	indicator lamp	
Board interior	ELB, Inverter, Scraper start/stop switch	
Accessary	Suction hose	Steel wire reinforced soft PVC flexible hose: φ19×3m×1
	Water drain hose	Steel wire reinforced soft PVC flexible hose: φ25×2m×1
	Oil drain hose	Steel wire reinforced soft PVC flexible hose: φ38×1m×1
Open-ended	Input power	1 phase 100V
	Timer	Possible to store the calendar timer (16 times / Day × 1 week)
	Portability	Caster with a handle

※ Specification is subject to change without notice for improvement.

Floating oil

Suitable to collect valuable oil like mineral oil, high viscosity food oil or floating objects (like painting sludge).

Structure

Float to collect and main body which has a pump, separator and control box.

Uses

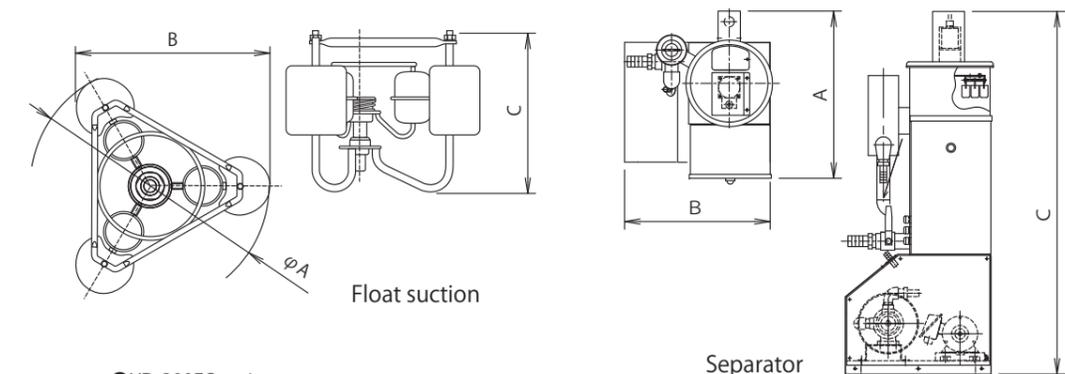
- To collect animal / plant oil hard to clot in waste water at food industry.
- To collect relatively high viscosity mineral oil like washing wastewater.
- To collect wasteoil mixed with much powder of ink or paint.
- To collect floating paint sludge from a paint booth.
- To collect floating wasteoil in scrap industry.

• • • other relatively high viscosity and hard to clot floating oil.

Features

- Suitable for a pit (2m x 2m) and relatively high viscosity floating oil.
- The float has a patented double float structure, follows surface efficiently and high collecting performance.
- The rpm of the pump is adjustable by an inverter as standard. The flow rate balance avoids to stir oilywater and makes pump grow in efficiency.
- The patented oil drain system (Large-size scraper for high viscosity oil) with the separator for animal / plant wet oil or low fluidity objects like paint sludge.
- It is available to collect high temperature oil and easy maintenance for SUS 304 separator.

Dimension



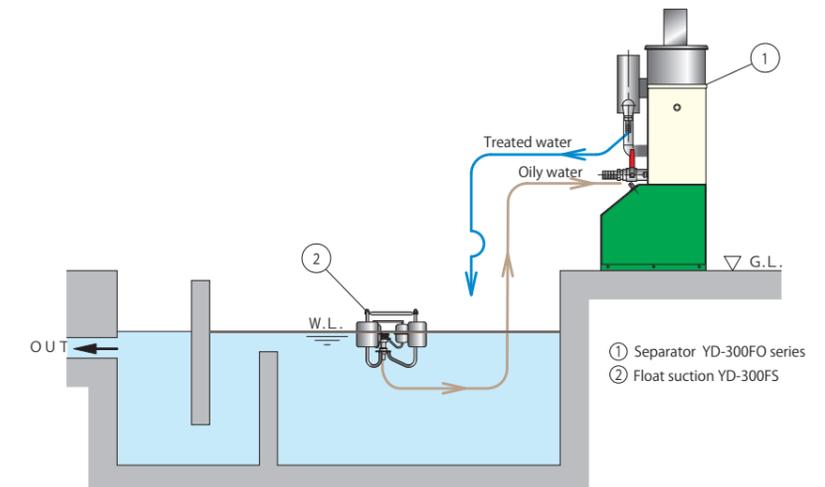
● YD-300FO series

Float	A	φ450
	B	365
	C	297

Separator	A	625
	B	550
	C	1362

mm

Use example



① Separator YD-300FO series
② Float suction YD-300FS



Floating oil

Suitable to collect extensive floating oil like mineral oil or food oil as well as floating scum.

Structure

Float to collect, collecting pump (separated), separator and control box.

Uses

- To collect animal / plant oil hard to clot in waste water at food industry.
- To collect relatively high viscosity mineral oil like washing wastewater.
- To collect wasteoil mixed with much powder of ink or paint.
- To collect floating paint sludge from a paint booth.
- To collect thick scum of heat-denatured oil.
 - • • other relatively high viscosity and hard to clot floating oil.

Features

- Suitable for a middle-size pit (3m x 3m) and a large-size pit (5m x 5m).
- Scale-up separator. It is suitable for thick oil like heat-denatured oil or big grease trap for animal / plant oil hard to clot.
- The float has a double float structure and flows surface smoothly. The flow rate balance avoids to stir oilywater and makes pump grow in efficiency.
- The patented oil drain system. (Large-size scraper for high viscosity oil)
- The patented oil drain system (Large-size scraper for high viscosity oil) with the separator for animal / plant wet oil or low fluidity objects like paint sludge.



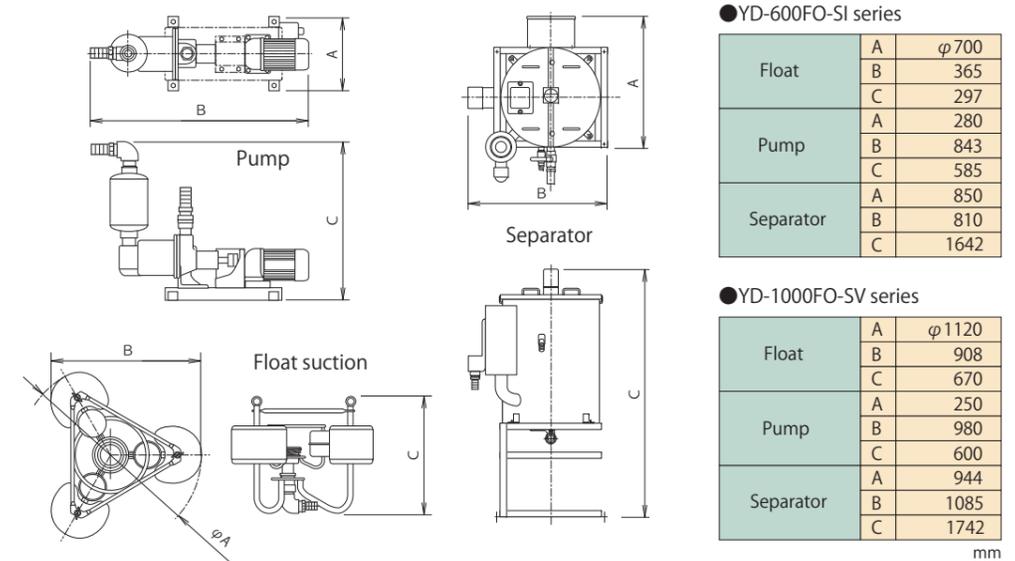
Scraper

Specification

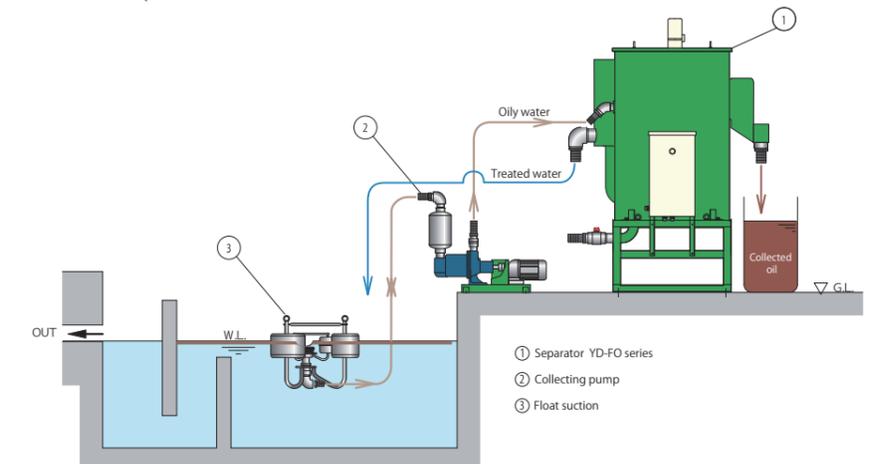
Model	YD-600FO-SI series (midsize)	YD-1000FO-SV series (large-size)
Collecting type	Float suction type	
Collectable oil	Light oil, a little viscous heat-denatured oil, animal/plant oil (Not clotted)	
Capacity	0.9~1.2 ton/hr.	1.8~3.0 ton/hr.
Outline	φ700×580H	φ1120×908H
Suction inlet	φ80	φ150
Weight	Approx. 8kg	Approx. 26kg
Hose	φ32	φ38
Material	SUS304	
Pump type	Snake type (SI)	Snake type (SV)
Pump material	NBR・SUS416/H・Cr.	
Motor	3 phase, 200V, 4P, 50/60Hz, TEFC outdoor motor	
	0.4kW	0.75kW
Pump control	Pulley/Belt + Frequency controller	DISCO type CVT
Separator structure	Cylinder-shaped specific gravity separation	
Separator material	SS made with Epoxy coating	
Oil drain method	Automatic oil drain method with large-size scaper	
Scraper motor	3 phase, 200V, Waterproof geared motor controlled by frequency controller	
	40W	60W
Control panel	SS made, Simple outdoor use type	
	Board exterior: Indicator lamp Interior: ELB, Inverter, Scraper start/stop switch	
Hose material	Steel wire reinforced soft PVC flexible hose	
Suction hose	φ32×5m×1	φ38×5m×1
Water drain hose	φ38×3m×1	φ65×3m×1
Oil drain hose	φ50×1m×1	φ65×1m×1
Timer	Possible to store the callendar timer (16 times / Day x 1 week)	
Material choice	Material of FO separator: Change to SUS is available. Pump material: Change to SUS is available.	

* Specification is subject to change without notice for improvement.

Dimension



Use example



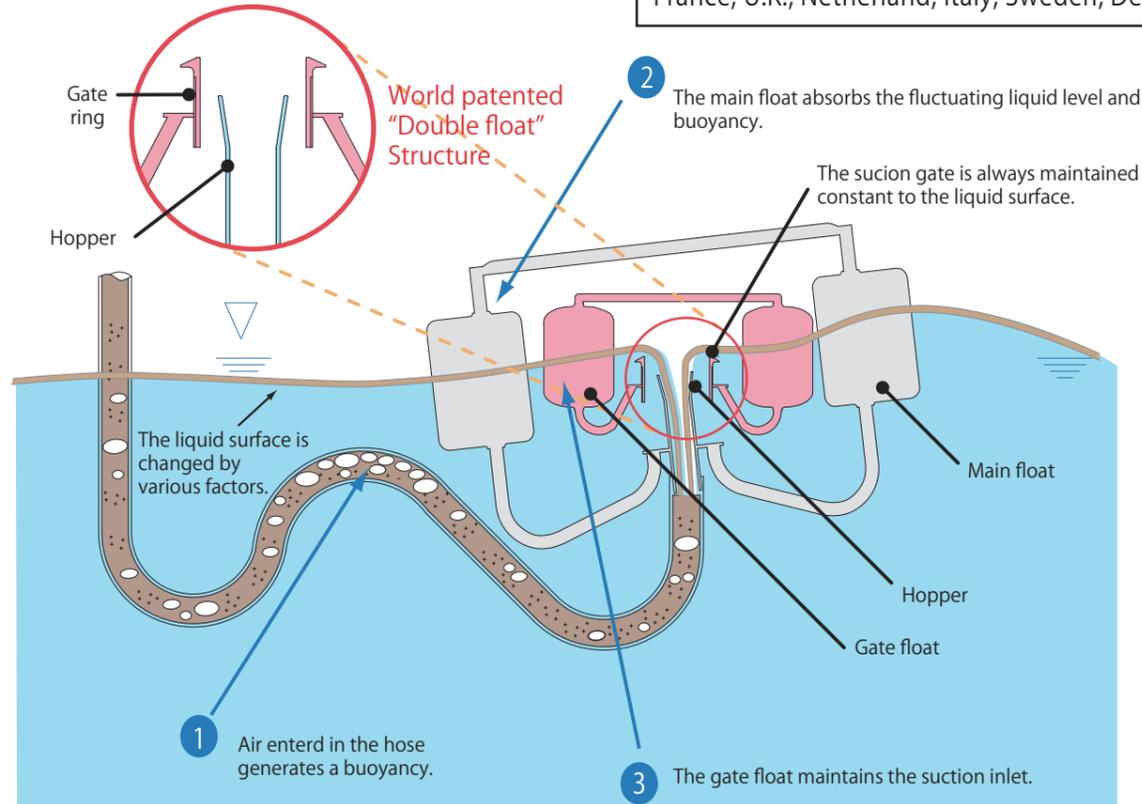
WFfloat

Double float has a structure follows surface.

World patented

12 countries

(Japan, U.S.A., Canada, Korea, Taiwan, Germany, France, U.K., Netherland, Italy, Sweden, Denmark)

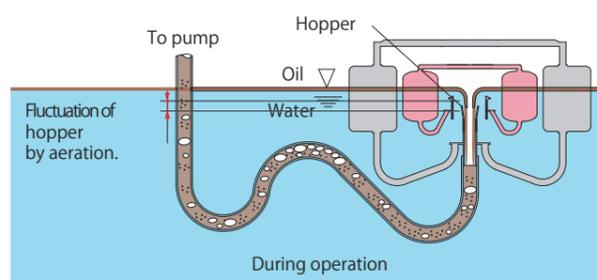


Usually, when collecting floating oil by skimmer surely, it is necessary to collect oily water with surface air. However, entered air ① generates extra buoyancy and makes the hose, the float and the suction inlet go up. It is impractical to collect floating oil stably.

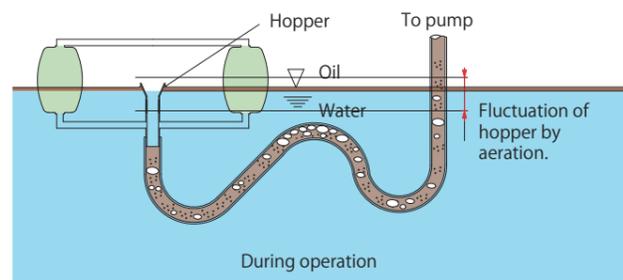
Our float is the double float structure patented in 12 countries around the world, which is unaffected by the buoyancy change for air entering. The main float ② maintains the main body and the hose, and the gate float ③ maintains the suction inlet. Therefore, they are possible to move independently and smoothly without each other's effects.

In addition, the double float structure follows flexibly the fluctuating liquid level and waves.

World patented "Double float" structure



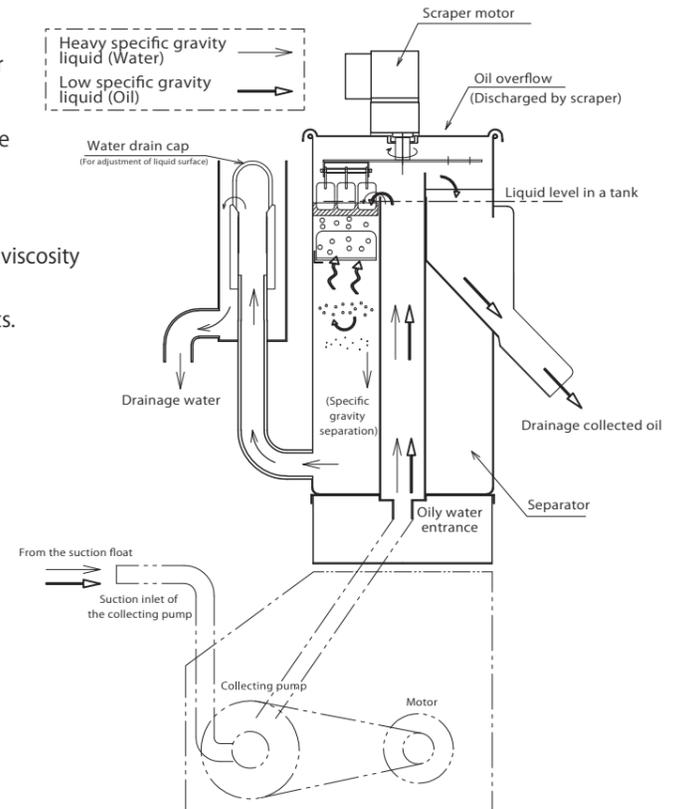
Other float structure



Separator

Separator with large scraper.

- Oily water collected by the suction float is separated oil into water by the separator.
 - Specific gravity separation is adopted. It is unused the consumable parts which are necessary to replace periodically.
 - Easy to clean.
- Patented automatic oil drain device (the large-size scraper for high viscosity oil) is adopted in the oil drain outlet as standard. It is possible to collect the high viscosity oil and the foreign objects.



Scraper

options

Excellent function subserved YD-FO series

Strainer tank unit

Too many objects could be floating in the pit where GREASECOMING is installed. Collecting wood or plastic chips sometimes makes the pump suction inlet clog or the inside of the pump damage.

In that case, installing the strainer tank unit between the suction float and the pump is possible to collect the foreign objects such as this.

NOTICE: The basket in the strainer tank unit is needed to clean periodically and intended to collect 5-10 mm foreign objects, not the minuscule slurry such as cutting powder.

