



URL <http://www.wcc.co.jp/en>  
E-mail [overseaschemical@wcc.co.jp](mailto: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

4F., Daiei Bldg., 1-11-20, Nishiki, Naka-ku, Nagoya-shi,  
Aichi, 460-0003 Japan

☎ 81-52(253)8426 ☎ 81-52(253)8436

#### Osaka Office

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

☎ 81-6(6467)8565 ☎ 81-6(6467)8566

#### Fukuoka Office

5F., Sun life 3rd Bldg., 2-5-19, Hakataeki-higashi, Hakata-ku,  
Fukuoka-shi, Fukuoka, 812-0013 Japan

☎ 81-92(287)9128 ☎ 81-6(6467)8566  
(Osaka)

#### 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](mailto: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](mailto: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

☎ 86-512-6579-8215 ☎ 86-512-6579-8215

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

E-mail [worldchemical@wcs.szbnet.com](mailto:worldchemical@wcs.szbnet.com)



FLOATING OIL COLLECTING SYSTEM

# GREASECOMING



## From low viscosity oil to thick floating oil



### Floating oil

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

### Structure

The combination of a float and main system with a pump, separator and control box.

### Use

- 1 To collect animal / plant oil hard to clot in waste water at food industry.
- 2 To collect relatively viscous mineral oil like car washing wastewater.
- 3 To collect wasteoil mixed with much powder of ink or paint.
- 4 To collect floating paint scum in a paint booth.
- 5 To collect floating wasteoil in a scrap industry.

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

### Features

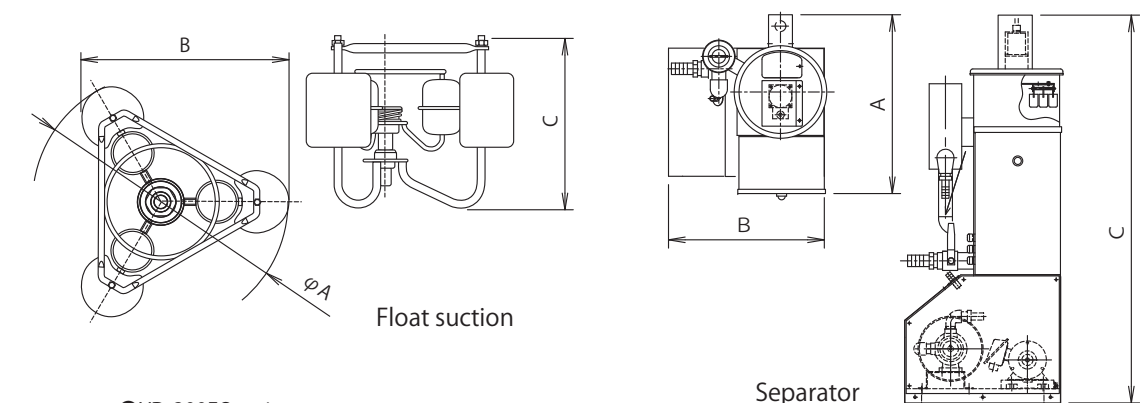
- 1 Suitable for a pit (2m x 2m) and relatively high viscosity floating oil.
- 2 The float has a patented double float structure, follows surface efficiently and high collecting performance.
- 3 The rpm of the pump is adjustable by an inverter as standard. The flow rate balance avoids to stir oilywater and makes pump grow in efficiency.
- 4 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.
- 5 It is available to collect high temperature oil and easy maintenance for SUS 304 separator.

### Specification

Model	YD-300FS-300P-MI / NI-35FO	
Collecting type	Float suction type	
Specification	Collectable oil	Viscouse thermal denaturation oil, animal/vegetable oil (unset)
	Capacity	0.48 ton/hr.
System	Outline	658×550 (MI) / 620 (NI)×1362H
	Weight	Approx. 70kg (Dry state) Full capacity weight : Approx. 105kg
	Installation	Out door installation type
Float FS	Outline	φ440×297H
	Weight	Approx. 3kg
	Suction inlet	φ35
	Material	SUS304
Main body	Hose	φ19
	Pump type	Rotary type (MI) / Snake type (SI)
	Pump material	BC6 · CR rubber / FC · SUS304 + HCr · NBR
	Motor	3 phase, 200V, 0.4kW, 4P, 50/60Hz, TEFC outdoor motor
	Pump control	Cycle control by the combination of the Pulley/ Belt and inverter
	Separator structure	Cylinder-shaped difference in 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) Geared motor (4rpm)
	Control panel	SS made Simple outdoor use type Board exterior : indicator lamp Interior : ELB, Inverter, Scraper start/stop switch
Accessory	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.

### Dimension



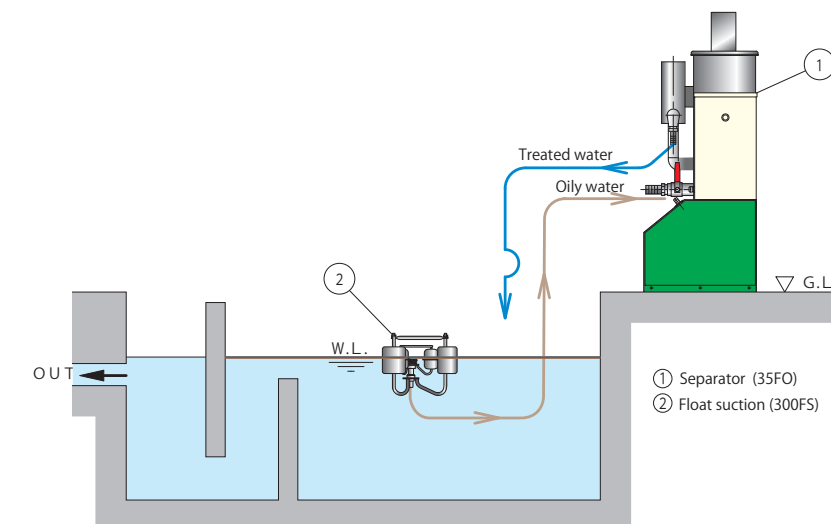
● YD-300FO series

Float	A	φ440
	B	358
	C	297

Separator	A	658
	B	550(MI)/620(NI)
	C	1362

mm

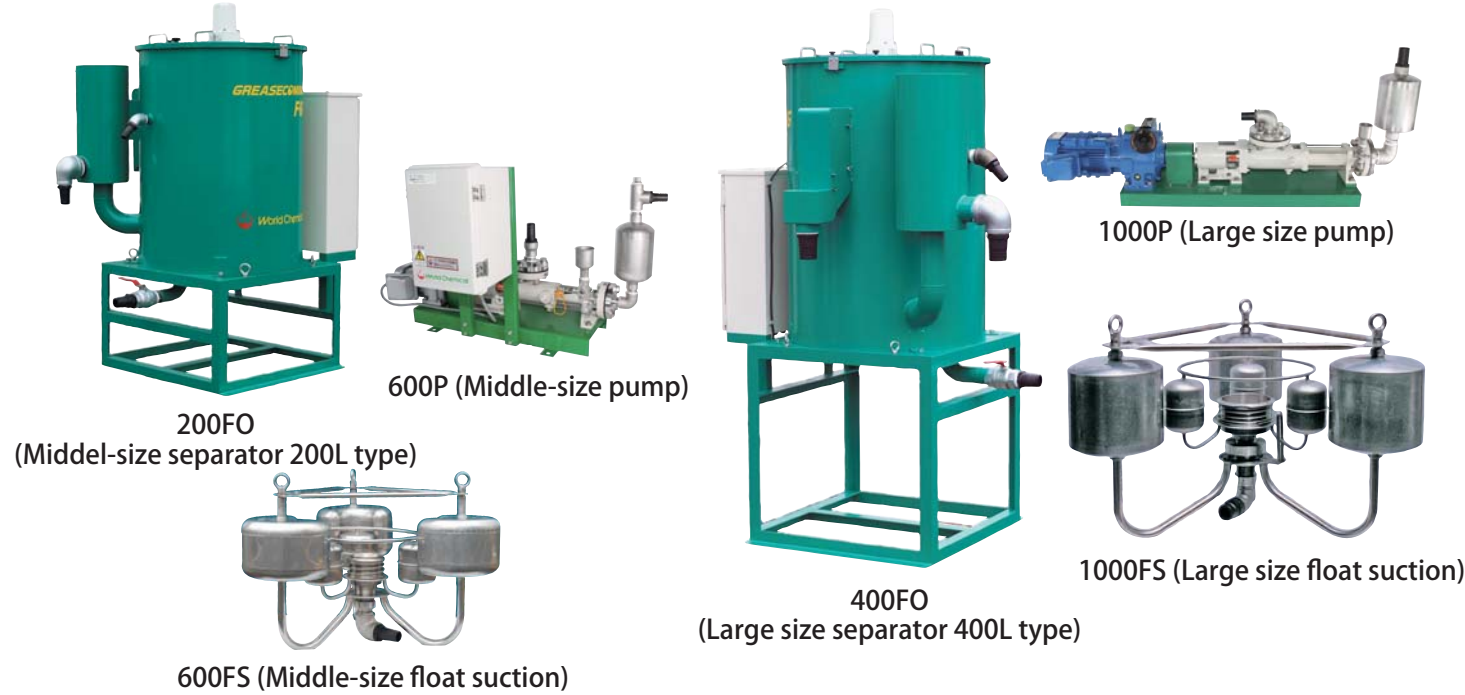
### Use example



## Large capacity to react to floating oil through a wide area

<Middle-size: 600 type>

<Large size: 1000 type>



### Floating oil

Suitable to collect valuable oil like mineral oil, food oil or floating scum.

### Structure

The combination of a float, pump, separator and control box.

### Use

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

### Feature

- 1 Suitable for a middle-size pit (3m x 3m) and a large-size pit (5m x 5m).
- 2 Scale-up separator. It is suitable for thick oil like heat-denatured oil or big greas trap for animal / plant oil hard to clot.
- 3 The float has a double float structure which has good surface following capability and collecting performance. It is possible to adjust the pump rotating speed by the adopted inverter as standard. The balance of the flow rate and collecting amount prevents to stir oily water needlessly.
- 4 The patented oil drain system is standard.
- 5 Animal/plant oil or illiquid objects like painting scum is also collected by the scraper.

The shape of separate is designed to reduce the dead space of the scraper.



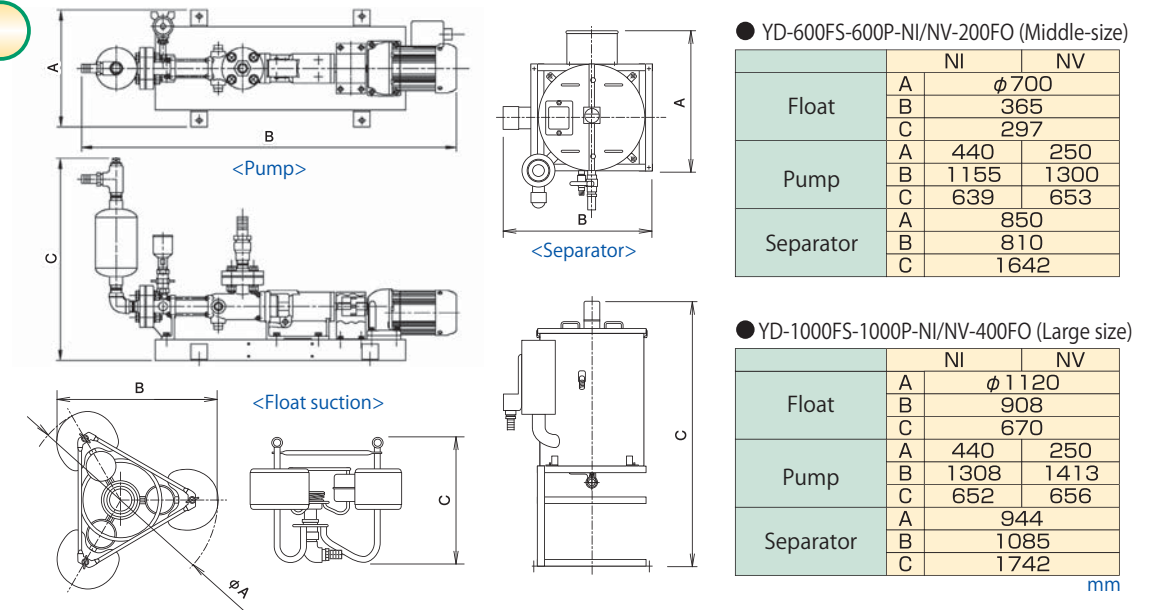
Scraper

### Specification

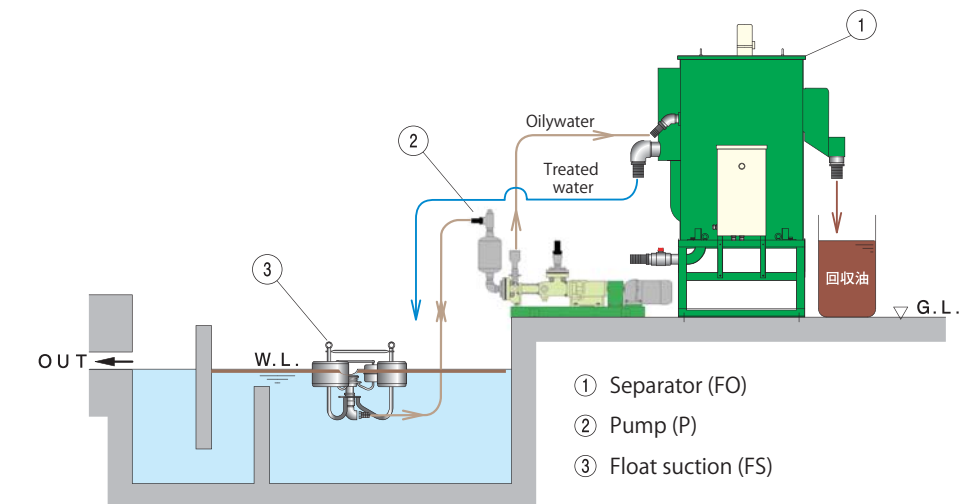
Model	YD-600FS-600P-NI/NV-200FO(M)	YD-1000FS-1000P-NI/NV-400FO(L)
Collecting type	Float suction type	
Spec.	Light oil - Viscous heat denaturation oil / Animal/plant oil (Not solidified)	
Target oil	Light oil - Viscous heat denaturation oil / Animal/plant oil (Not solidified)	
Collecting amt.	0.9 - 1.2 ton/hr	1.8 - 3.0 ton/hr
Outline	Φ700 x 452H	Φ1120 x 680H
Float (FS)	Suction inlet Φ80	Φ150
Weight	Approx. 8 kg	Approx. 26 kg
Hose	Φ32	Φ38
Material	SUS304 (except Hose joint)	
Type	Snake type (NI/NV)	
Pump (P)	Material	FC, SUS304 + HCr, NBR
Motor	3 phase, 200V, 4pole, 50/60Hz Total enclosed outdoor type	
Control	0.4kW / 0.75kW	
Structure	Pump + Inverter (NI) / Variable transmission (NV)	
Separator (FO)	Cylindrical difference in specific gravity separation	
Material	SS (Epoxy plastic painted)	
Oil drain system	Forced oil drain by a big scraper which covers surface of the separator	
Scratch impeller	3 phase, 200V, Water-proof gearmotor (adjusted by an inverter)	
Power box	40W	60W
Material	SS, Build a simple type	
Face	Face: Power indicator Interior: ELB, INV, Swith for scraper	
Accessory	Hose material Wire reinforced soft PVC flexible hose	
Suction hose	Φ32×5m×1	Φ38×5m×1
Drain hose	Φ38×3m×1	Φ65×3m×1
Oil drain hose	Φ50×1m×1	Φ65×1m×1
Special	Timer Calender timer (16 times / Day in a week) is stored in the power box.	
Material change	The material of separator (FO) is changeable to SUS. The material of pump is changeable to SUS.	

※ The specification is subject to change without notice for the product improvement.

### Dimension

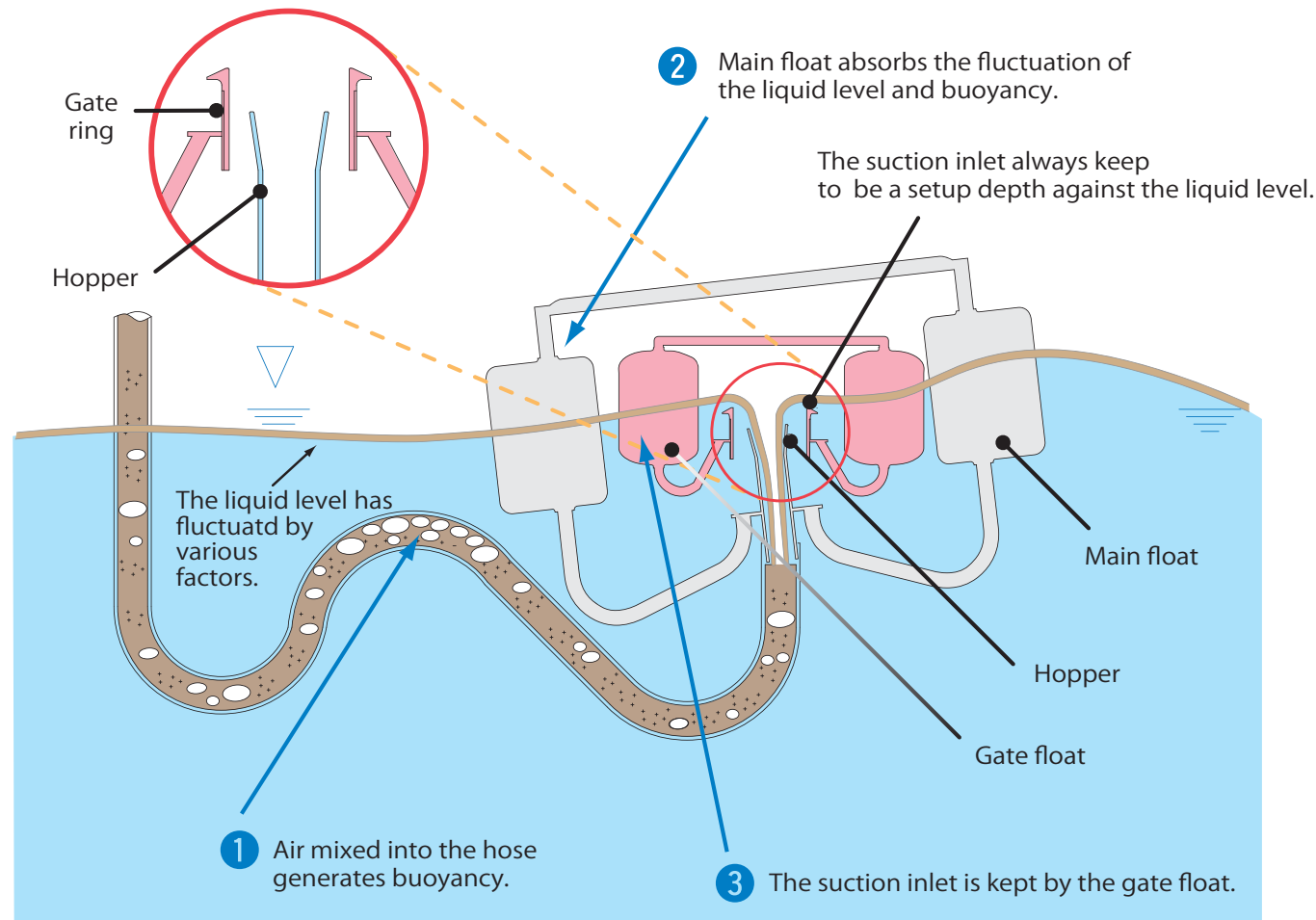


### Use example

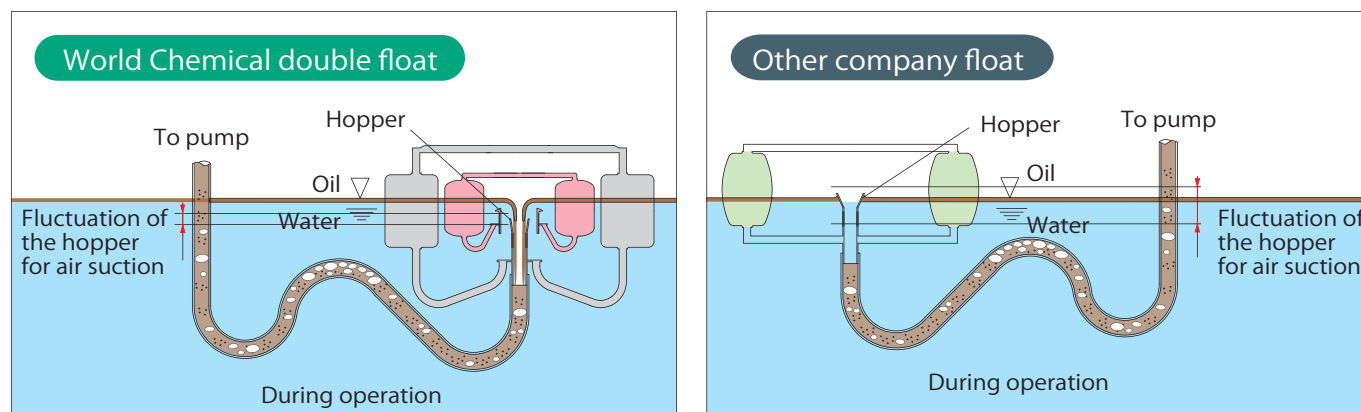


- 1 Separator (FO)
- 2 Pump (P)
- 3 Float suction (FS)

## Double float : Unrivaled surface following system



Usually, it is necessary to collect oily water with surficial air to make sure to collect floating oil by skimmer. However, entering air generates extra buoyancy ① and it prevents the stable collecting to lift up the hose, float and suction inlet. On the other hand, our float is the double float structure which is not affected by the buoyancy fluctuation for air mixed. The main float ② supports the main body / hose and the gate float ③ supports the suction inlet. They are not affected each other and smoothly move individually. Therefore, this double float structure follows the fluctuation of the liquid level and waves.



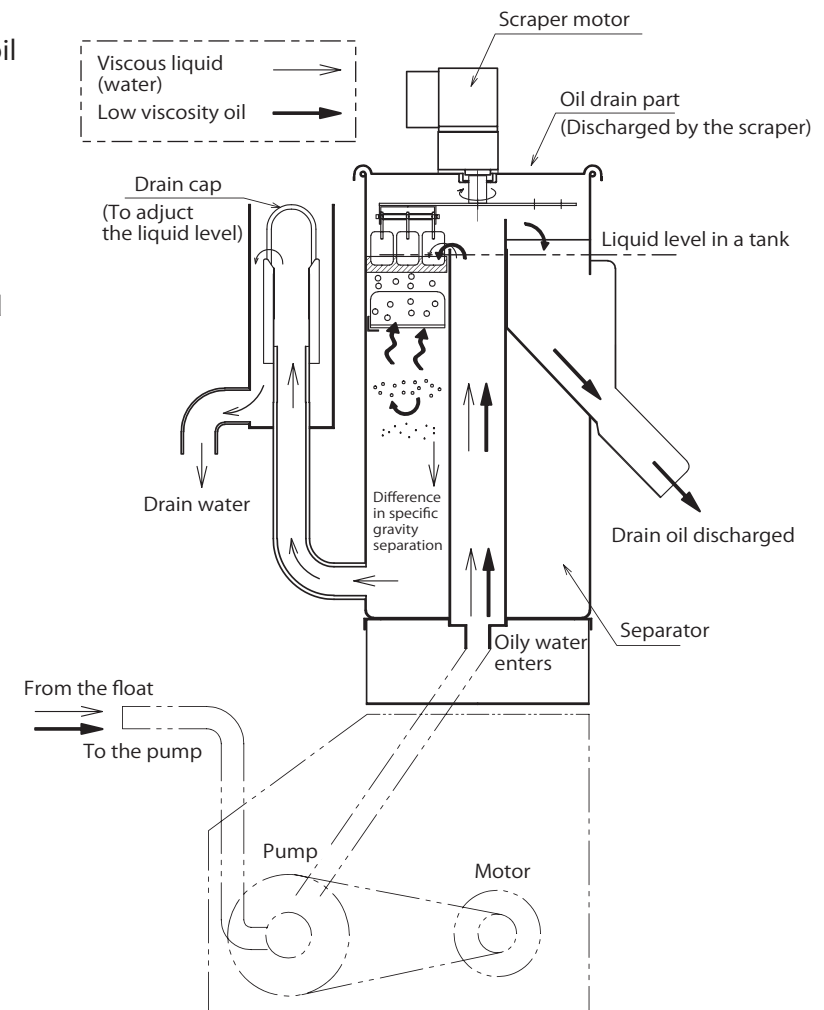
The double float structure is not affected by buoyancy fluctuation for air suction and can collect floating oil efficiency, because the hopper does not stand up.

## Separator : Large scraper is adopted as standard

- Oily water collected by float is separated oil and water in the separator.
- Difference in specific gravity separation is adopted. There is no consumable parts to replace periodically.
- Easy cleaning.
- The scraper at the oil drain part is adopted as standard.
- It is possible to use for viscous oil and objects by the scraper.



Scraper



## Option : Superb function to support FO series

### Strainer tank unit

Much dust may be floating depending on a pit to install GREASECOMING. If wood or plastic offcuts enter, it may clog the pump suction side or damage the pump inside. However, it is possible to collect like them by installing the strainer tank unit between the float and pump.

Note: It is necessary to clean the basket in th strainer tank unit periodically. The basket is intendd to clear relatively big foreign objects 5 to 10 mm, not for small slurry like cutting powder.

