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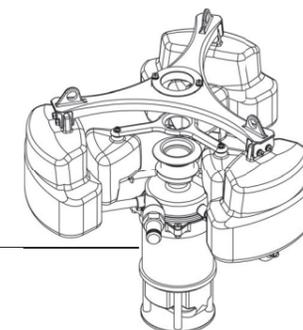
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■ Note

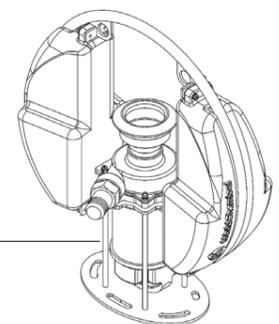
Oil skimmer ( Floating oil / objects collecting system)  
 【Floating pump skimmer】

# SWP GYP/PS

Gyro skimmer series  
 GYP/PS series



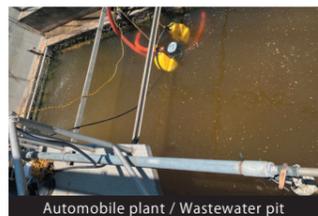
Swing skimmer series  
 SWP series



# FLOATING PUMP SKIMMER

## Floating pump skimmer is

a device that collects and transfers oil and floating objects from a liquid surface. The structure is that the pump and the float are integrated. It is floated on a liquid surface to continuously collect and transfer the target material together with liquid at the surface.



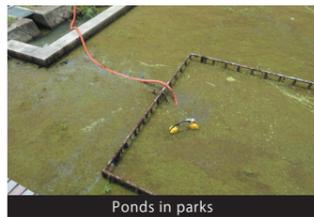
Automobile plant / Wastewater pit



Food factory / Grease trap



Steel mill / Wastewater pit

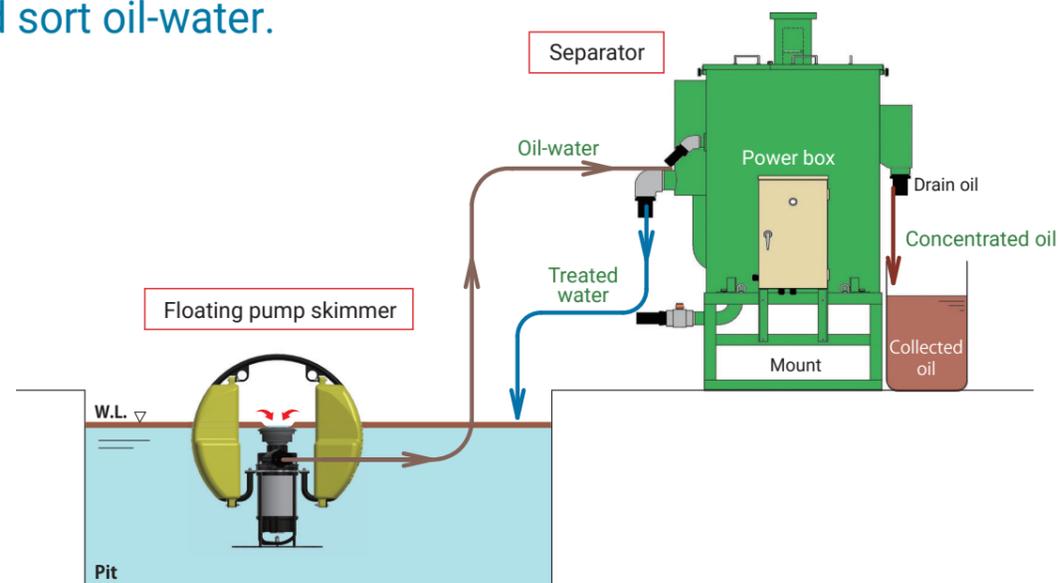


Ponds in parks

### Target

- Wastewater treatment facilities at various factories
- Mineral oils and low-viscosity oils
- High-viscosity oils and scum
- Floating oil with slurry or other abrasive objects.
- Floating resin pellets or powder
- Floating debris such as algae and aquatic plants
- Lakes, ponds and rivers
- Floating debris such as algae and aquatic plants
- Ports and rivers
- Accidental oil spills

Used in combination with a separator, it enables to separate and sort oil-water.



▼ Extensive lineup

Swing skimmer series

**SWING SKIMMER**

# SWP series

## New series debut!

A new oil skimmer created based on the long-standing expertise and performance of the GYP series.

### Functional enhancement

- Two floats: Ensures a wide inflow space.
- Swing type: Smoothly collects highly viscous floating objects.
- Smart design: Compact and lightweight, with a simple structure for easy handling.

Winner of the Good Design Award



In addition to its functional performance, the design was highly praised for its structure that reduces operator workload, earning the 2024 Good Design Award.



Gyro skimmer series

**GYROSKIMMER**

# GYP/PS series

## Classic long-seller!

About 50 years from launching! A long-established standard product known for its stable collecting performance and extensive installation record.

### Original technologies brought together

- Dual-float structure: Stably follows the liquid surface.
- Float shape: Ensures high collecting efficiency using our original float.



# SWING SKIMMER

Swing skimmer series

# SWP



GOOD DESIGN AWARD 2024



## Reliably collects floating oil and objects through a wide and swinging inlet.

### Features

#### POINT 01 Original gate structure

- The gate (inlet) swings, enabling efficient collecting of high-viscosity floating objects.
- (SWPN series do not swing.)

#### POINT 03 Arched frame made of SUS

- The float-supporting frame is arched, making it easy to carry.
- Made of SUS304, providing excellent corrosion resistance.

#### POINT 02 Two float structure

- By using two floats, the inlet space is widened, enabling smooth collecting.

#### POINT 04 Others

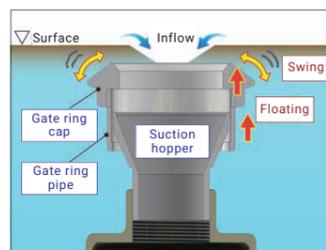
- Easy to clean and maintenance.
- Improved stability of the submersible pump when the pump is placed flat.
- Improved visibility of the inlet.

### Applications & Structures

Three types available to suit the collected material.

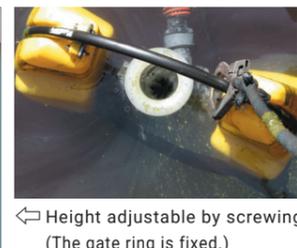
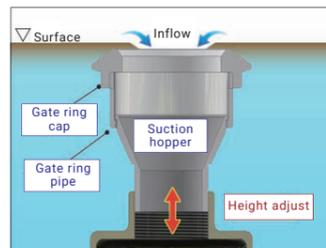
#### SWP series (Swing type)

- The gate (inlet) swings, enabling efficient collecting of high-viscosity floating objects.
- It is available to change to high head type.
- Ideal for collecting and transfer of viscous oils, scum, and floating objects containing slurry.



#### SWPN series (Non-swing type) **NEW**

- The inlet (gate) does not swing, allowing efficient collecting of surface oil-water.
- Ideal for collecting and transfer of mineral oils and low-viscosity oils.



#### SWPI series (Solids-passing type) **NEW**

- Fewer impeller blades, designed to prevent clogging by foreign objects.
- Tool-free pump for disassembly for easy maintenance.
- Ideal for collecting and transfer of algae / floating plants.



### Model designation

YD - 600 SWP - 01 V 06 620 T

Float dia.

Model

SWP : Swing type  
SWPN : Non-swing type  
SWPI : Solids-passing type

Submersible pump

Output

01 : 0.75kW

Cable material

V : VCT  
P : 2PNCT

Cable length  
Length : Shown in meters.  
(Std. = 06 : 6 meters)

Frequency/Voltage

520 : 50Hz / 200V  
538 : 50Hz / 380V  
540 : 50Hz / 400V  
620 : 60Hz / 200V  
622 : 60Hz / 220V  
640 : 60Hz / 400V  
644 : 60Hz / 440V

Special

No mark : Standard  
HP : High head type (SWP only)  
T : Special type

Note: For special types requested by the customer, an indicator mark is added at the end.  
\*Please consult us for other voltages.

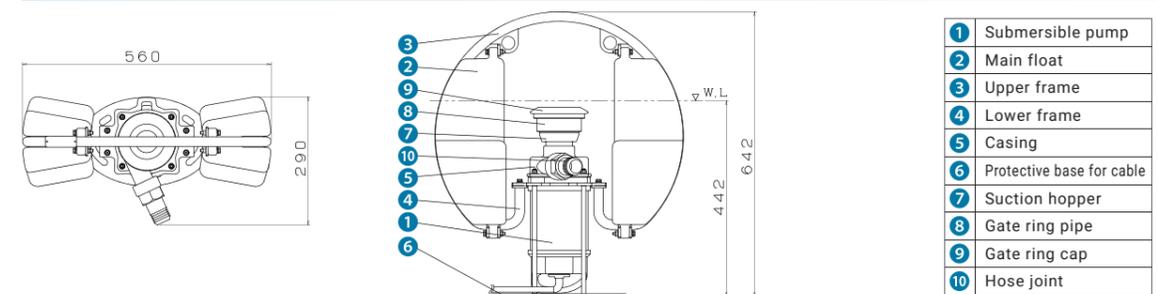
### Specifications

Target: mineral oils, animal and vegetable oils, scum, and powders floating on the water surface.  
Use conditions: Wastewater at ambient temperature up to 40°C (no acids or organic solvents).

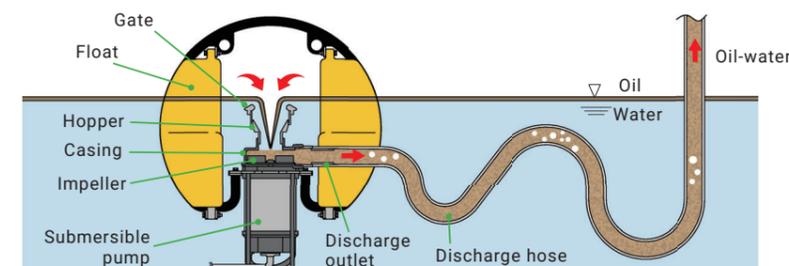
Model	YD-600SWP Swing type	YD-600SWP-HP Swing/High head type	YD-600SWPN Non-swing type	YD-600SWPI Solids-passing type
Applicable tank size (approximate)	Tank : Approx. 4 m x 5 m			
Performance : THD x Capacity	4 m x 100 L/min.	7 m x 60 L/min.	4 m x 100 L/min.	3 m x 100 L/min.
Gate ring cap diameter	φ95 mm			
Inlet drop	15 mm	10 mm	15 mm	15 mm
Foreign object passing diameter	Approx. 15 mm			Approx. 30 mm
Output	Three phase / 200V, 0.75kW, 50/60Hz			
Outline	W560 x D290 x H642 (mm)			
Weight	Approx. 16 kg			Approx. 17 kg
Bore	φ38 Hose joint			
Submersible pump	Main material	SUS304		
	Impeller material	Glass fiber reinforced PPE		
	Shaft seal	Double mechanical seal		
Frame	SUS304 (Black)			
Casing	Glass fiber reinforced ABS resin			PVC
Float	Molded PE part			
Cable (Submersible pump)	VCT x 6 m (The change of material / length is available.)			
Accessory	Discharge hose (Flexible hose) φ38 x 5 m			
Spec. change	Cable length (Submersible pump)	Changing from 6 m (Standard) to 10 m / 15 m / 20 m / 25 m / 30 m is available. *100V: The max. length is 10 m. 200V: The max. length is 30 m. (1600PS: 25 m or less) *Please ask us when the 25 m and more length is required.		
	Cable material (Submersible pump)	Changing from VCT (Standard) to 2PNCT is available.		
	Multi-voltage compatible	A voltage change for the submersible pump is available.		
	Hose extension (Flexible hose)	Extension of the hose length is available in 5 m increments.		

\*It is subject to change to improve the product without notice.

### Outline drawing



### Flow Diagrams



SWP  
Collecting of oil balls  
(YouTube)



SWPI  
Collecting of floating plants  
(YouTube)

# GYP/PS



Continuously collects surface oil at liquid level.

## Features

### POINT 01 Double float structure

- Continuously collects surface oil-water, following liquid level fluctuations.

### POINT 02 Lineup designed for the pit

- Optimal skimmer selection for tanks of any size, from small to large.

### POINT 03 High-head model: PS model

- Ideal for deep tanks where sel-priming is not possible.
- Capable of handling floating oil in scale pits with a high slurry content.

## Applications & Structures

- Ideal for collecting and transfer of mineral oils and low-viscosity oils.
- PS model handles liquid with slurry and is suitable for collecting from deep tanks.
- Suitable for tanks of all sizes, as well as harbors and rivers.



\*Inflow rate can be adjusted by simple adjustment of the gate ring.

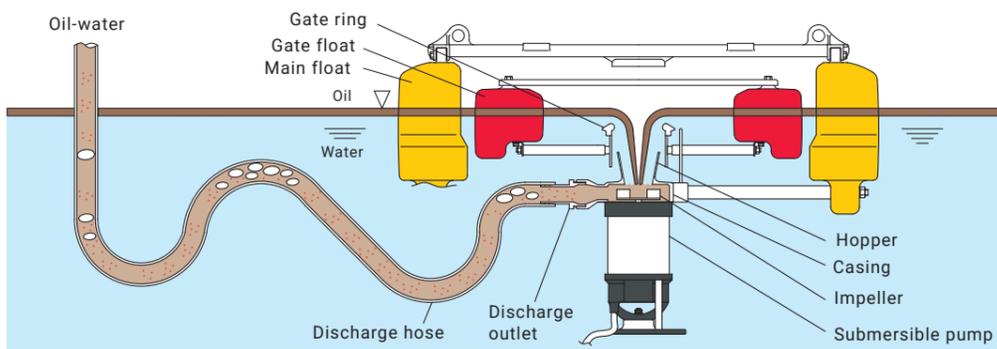


Rain-water pit



Centralized coolant tank

## Flow Diagrams



Double float structure (YouTube)

## Model designation

**YD-600** **GYP** - **Y6** **V** **06** **620** **N** **T**

- Float dia.** (YD-600)
- Model** (GYP, PS)
- Submersible pump**
  - Output**: A6 : 0.25kW (1PH), Y6 : 0.25kW, A0 : 0.4kW (1PH), 00 : 0.4kW, 01 : 0.75kW, 02 : 1.5kW
  - Cable material**: V : VCT, P : 2PNCT
  - Cable length**: Length : Shown in meters. (Std. = 06 : 6 meters)
- Frequency/Voltage**: 510 : 50Hz / 100V, 520 : 50Hz / 200V, 538 : 50Hz / 380V, 540 : 50Hz / 400V, 610 : 60Hz / 100V, 620 : 60Hz / 200V, 622 : 60Hz / 220V, 640 : 60Hz / 400V, 644 : 60Hz / 440V
- Anti-debris net**: N : with Net, No mark : without Net
- Special**: No mark : Standard, T : Special type

\*Please consult us for other voltages.  
\*The supported voltage varies depending on the model.

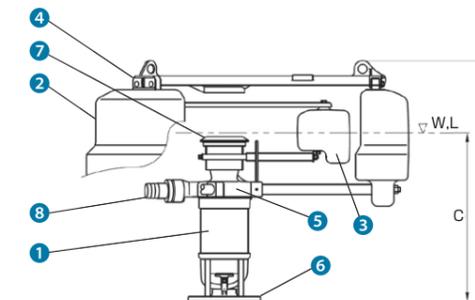
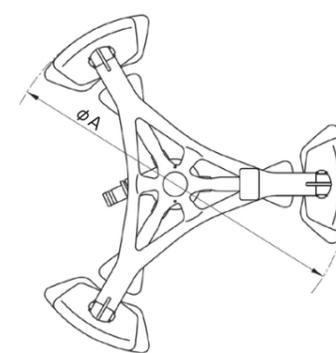
## Specifications

Target: mineral oils, animal and vegetable oils, scum, and powders floating on the water surface.  
Use conditions: Wastewater at ambient temperature up to 40°C (no acids or organic solvents).

Model	YD-600GYP	YD-800GYP	YD-1000GYP	YD-1200GYP	YD-1600PS High-head type
Applicable tank size (approximate)	Approx. 1 m x 2 m	Approx. 2 m x 3 m	Approx. 3 m x 3 m	Approx. 5 m x 5 m	Approx. 10 m x 10 m
Performance : THDxCapacity	4 m x 15 L/min.	4 m x 40 L/min.	7 m x 50 L/min.	7 m x 100 L/min.	15 m x 100 L/min.
Gate ring cap diameter	φ 60 mm	φ 95 mm	φ 95 mm	φ 175 mm	φ 175 mm
Inlet drop	5 mm	7 mm	10 mm	10 mm	12 mm
Foreign object passing diameter	Approx. 15 mm				
Output	1PH / 100V	0.25kW, 50/60Hz	0.25kW, 50/60Hz	0.4kW, 50/60Hz	—
	3PH / 200V				0.75kW, 50/60Hz
Outline	1PH / 100V	φ 560 x H544.5 mm	φ 780 x H657 mm	φ 1000 x H632 mm	—
	3PH / 200V	φ 560 x H534.5 mm	φ 780 x H646 mm	φ 1200 x H643 mm	φ 1600 x H1013 mm
Weight	Approx. 13 kg	Approx. 22 kg	Approx. 23 kg	Approx. 28 kg	Approx. 75 kg
Bore	φ25 Hose joint	φ38 Hose joint	φ38 Hose joint	φ50 Hose joint	φ50 Hose joint
Submersible pump	Main material	SUS304			FC
	Impeller material	Glass fiber reinforced PPE			
	Shaft seal	Double mechanical seal			
Frame		FRP	AC (Surface finish: Polyester-based powder coating)	SUS304	SUS304
	Casing	SCS13	AC (Surface finish: Polyester-based powder coating)	PVC	PP
Material	Float (Main float, Gate float)	Molded PE part (Exclusive parts)			PP
	Cable (Submersible pump)	VCT x 6 m (The change of material / length is available.)			
Accessory	Discharge hose (Flexible hose)	φ25 x 5 m	φ38 x 5 m	φ38 x 5 m	φ50 x 5 m
	Anti-debris net	PE, 1 inch.mesh	Optional installation available		Standard accessory
Spec. change	Cable length (Submersible pump)	Changing from 6 m (Standard) to 10 m / 15 m / 20 m / 25 m / 30 m is available. *100V: The max. length is 10 m. 200V: The max. length is 30 m. (1600PS: 25 m or less) *Please ask us when the 25 m and more length is required.			
	Cable material (Submersible pump)	Changing from VCT (Standard) to 2PNCT is available.			
	Multi-voltage compatible	A voltage change for the submersible pump is available.			
	Hose extension (Flexible hose)	Extension of the hose length is available in 5 m increments.			

\*It is subject to change to improve the product without notice.

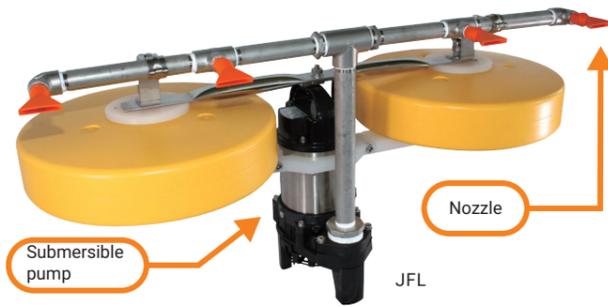
## Outline drawing



- Submersible pump
- Main float
- Gate float
- Main float frame
- Casing
- Protective base for cable
- Gate ring
- Hose joint

	Voltage	A (O.D.)	B (O.H.)	C (Below draft)
YD-600GYP	100V	φ560	544.5	413.5
	200V		534.5	403.6
YD-800GYP	100V	φ780	657	442
	200V		646	432
YD-1000GYP	100V	φ1000	632	437
	200V			
YD-1200GYP	200V	φ1200	643	446

# JF L



Generates water flow on stagnant water surfaces using water jets, assisting in oil and scum collecting.

Please use in combination with our oil skimmer.

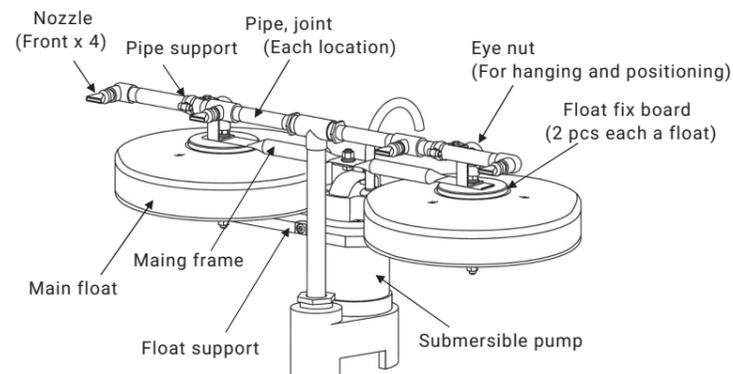
## Features

- POINT 01** Floating liquid spray system that automatically follows liquid level fluctuations.
- POINT 02** To assist speedy collection, high-viscosity, poorly flowable floating scum is gathered by water flow.
- POINT 03** Water flow helps break up even dry-surfaced floating objects, enhancing collection efficiency.
- POINT 04** The adjustable spray angle allows adaptation to scum, foam, and other surface materials.
- POINT 05** Multiple JETFLO enhance collection efficiency in large or complex pits.

## Applications & Structures

Creates a water flow to guide non-flowing oil and floating objects to the suction inlet.

- Scum, paint waste, and foam
- Dry-surfaced floating objects
- Algae and floating vegetation



Spray behavior

## Model designmation

# YD-25 JFL - Y6 V 06 620 T

Model

Submersible pump

Output

A0 : 0.4kW (1PH)  
00 : 0.4kW

Cable material

V : VCT  
P : 2PNCT

Frequency/Voltage

510 : 50Hz / 100V  
520 : 50Hz / 200V  
538 : 50Hz / 380V  
540 : 50Hz / 400V  
610 : 60Hz / 100V  
620 : 60Hz / 200V  
622 : 60Hz / 220V  
640 : 60Hz / 400V  
644 : 60Hz / 440V

Special

No mark : Standard  
T : Special type

Cable length

Length : Shown in meters.  
(Std. = 06 : 6 meters)

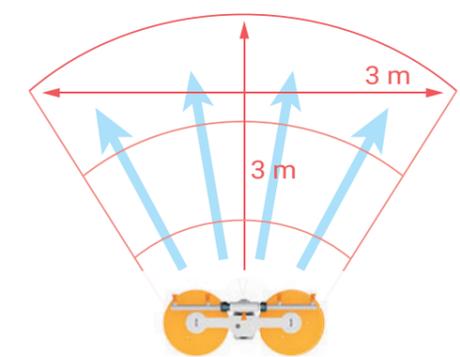
\*Please consult us for other voltages.

## Specifications

Use conditions: Wastewater at ambient temperature up to 40°C (no acids or organic solvents).

Model	YD-25JFL	
Performance : THDxCapacity (Spray volume)	1 m x 200 L/min.	
Power (Submersible pump)	100V / 1PH 200V / 3PH	
Outline	100V / 1PH	
Weight	L944 x W400 x H465 (mm) Approx. 18 kg	
Submersible pump	Main body material	SUS
	Impeller material	Glass fiber reinforced resin
	Shaft seal	SiC Double mechanical seal
Nozzle	Quantity	4 pieces
	Shape	Flared shape
	Nozzle width	45 mm
Float	Material	POM
	Outline	φ400
Cable	Material	PP
	(for Submersible pump)	VCT x 6 m (Material & length can be customized.)
Others	Option	Control panel ON/OFF switch Electromagnetic contactor Intermittent operation timer

<Effective range>

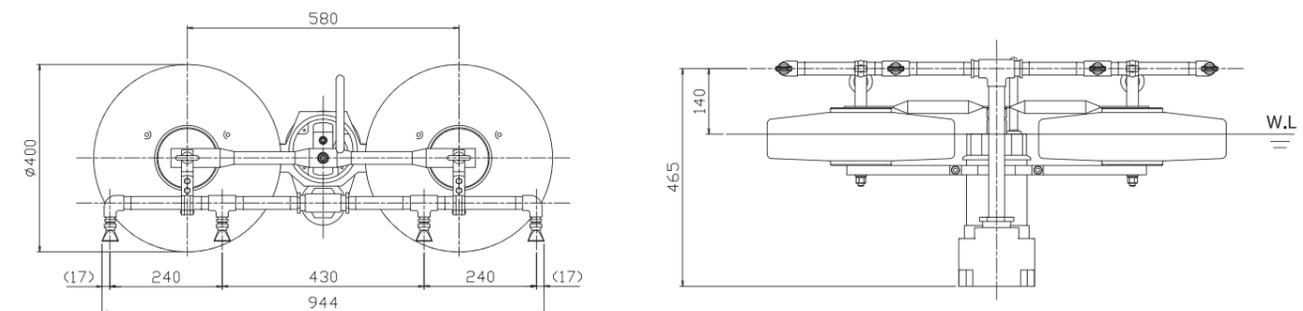


The spray angle can be adjustable by the customer.

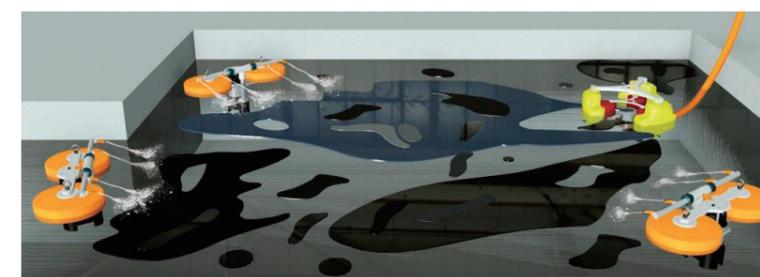
Spec. change	Cable length (Submersible pump)	Changing from 6 m (Standard) to 10 m / 15 m / 20 m / 25 m / 30 m is available. *100V: The max. length is 10 m. 200V: The max. length is 30 m. (1600PS: 25 m or less) *Please ask us when the 25 m and more length is required.
	Cable material (Submersible pump)	Changing from VCT (Standard) to 2PNCT is available.
	Multi-voltage compatible	A voltage change for the submersible pump is available.

\*It is subject to change to improve the product without notice.

## Outline drawing



## Application images



JETFLO and Oil skimmer are like a broom and a dustpan.

# SEPARATOR (with Scraper)

Auxiliary equipment for Floating pump skimmer

# FO

200FO



## Two size variants are provided: 200FO and 400FO.

Please use in combination with our oil skimmer.

### Features

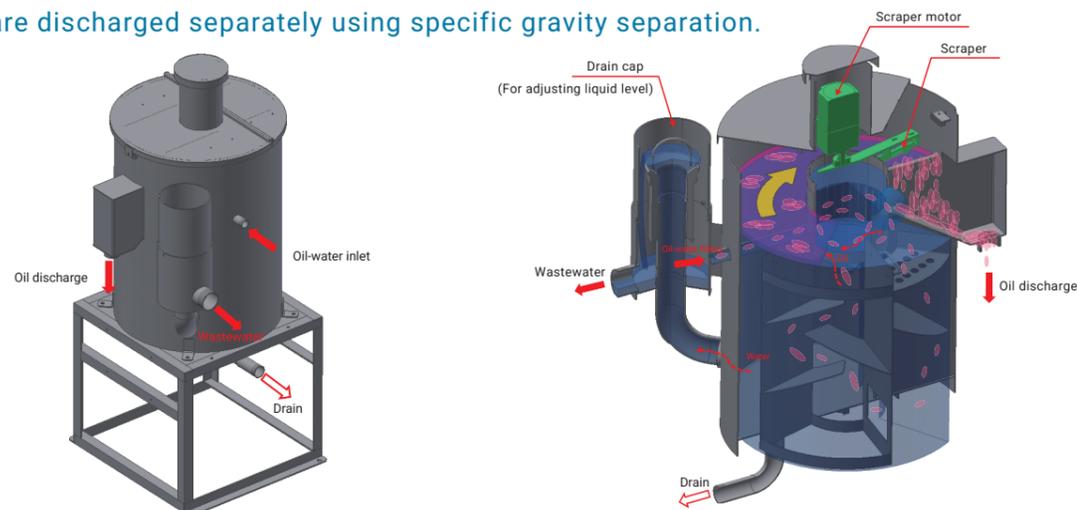
- POINT 01** Made of durable metal components (iron or stainless steel).
- POINT 02** Equipped with an oil extraction scraper as standard.
- POINT 03** The separator's control panel with a built-in inverter allows wiring and start/stop control of oil skimmer.
- POINT 04** Scraper performance can be adjusted via inverter control based on the volume of collected oil-water and its viscosity.
- POINT 05** An inclined plate in the tank promotes oil-water separation and oil-droplet coalescence, enabling smooth discharge of the floated and coalesced oil.



Scraper behavior

### Applications & Structures

- Separation of collected oil-water.
- Liquids and oil are discharged separately using specific gravity separation.



### Model designation

## YD-400 FO - SUS - T

#### Capacity

200: Approx. 200 L  
400: Approx. 390 L

#### Model

#### Main material

No mark : SS  
SUS : Stainless

#### Special

No mark : Standard  
T : Special type

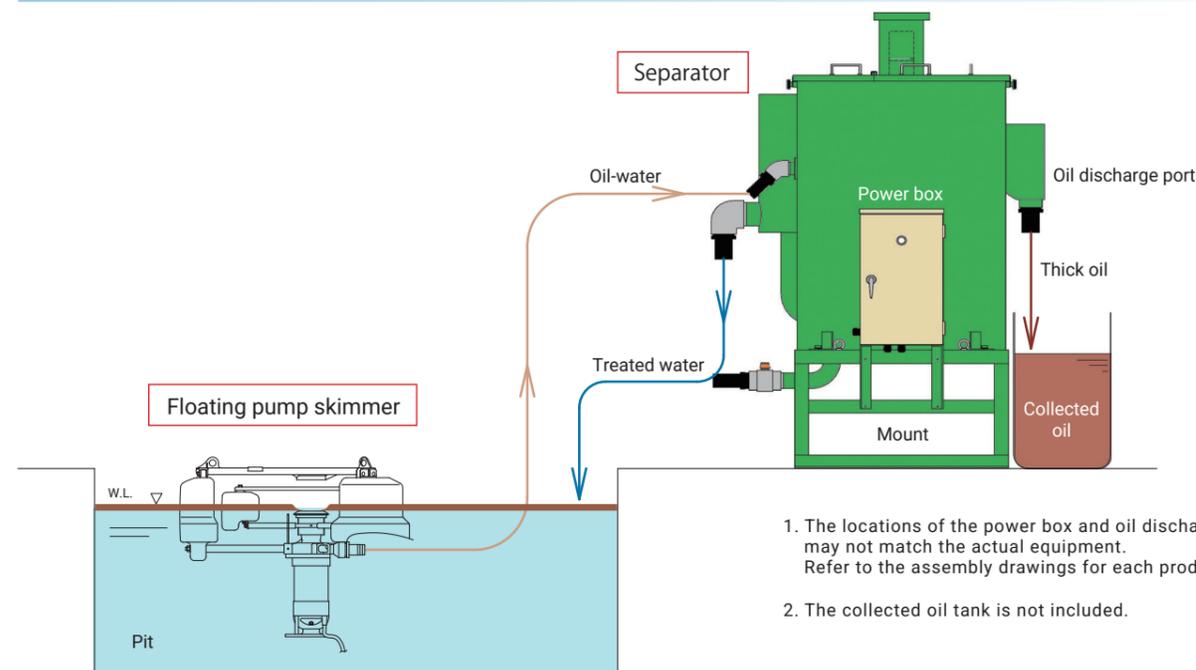
### Specifications

Use conditions: Wastewater at ambient temperature up to 40°C (no acids or organic solvents).

Model	YD-200FO	YD-400FO	
Applicable model	600GYP	SWP series & 800 / 1000 / 1200GYP	
Structure	Specific gravity separation, Oil discharge system with force by a large scraper		
Capacity	Approx. 200 L	Approx. 390 L	
Outline	1086 x 810 x 1642H (included Mount)(mm)	1311 x 944 x 1742H (included Mount) (mm)	
Material	Made of SS (standard) / Made of SUS		
Weight	Approx. 155 kg (at full capacity: Approx. 350 kg)	Approx. 225 kg (at full capacity: Approx. 620 kg)	
Paint	Interior and exterior surfaces: Epoxy resin coating (color: approximate Munsell 2.5G 4/8)		
Diameter	Water filling port: φ 25 Hose joint	Water filling port: φ 38 Hose joint	
	Water discharge port: φ 38 Hose joint	Water discharge port: φ 65 Hose joint	
	Oil discharge port: φ 50 Hose joint	Oil discharge port: φ 65 Hose joint	
	Drain: φ 38 Hose joint	Drain: φ 50 Hose joint	
Scraper	Waterproof geared motor drive (variable speed via inverter control)		
	3PH, 200V, 40W, Waterproof geared motor	3PH, 200V, 60W, Waterproof geared motor	
Control panel	Made of SS, Outdoor type, Panel exterior		
	Power indicator lamp: white; illuminated push-button for start: red; illuminated push-button for stop: green		
	Internal components: ELB; 2 inverters (pump/scraper control & start/stop); terminal blocks (primary & equipment side)		
Accessory	Water discharge hose x 3 m, Oil discharge hose x 1 m (with hose bands)		
	Timer	Calendar timer (16 operations/day x 1 week) can be housed inside the panel.	
Spec. change	Material change	Can be changed to a separator made of SUS material.	
	Control panel	Available without control panel.	

\*It is subject to change to improve the product without notice.

### Flow Diagrams



1. The locations of the power box and oil discharge port may not match the actual equipment. Refer to the assembly drawings for each product.
2. The collected oil tank is not included.