



YUAN CHANG PRODUCT CATALOG

- ◆ Wastewater / sewage treatment plant equipment
- ◆ Sludge drying and reducing treatment equipment
- ◆ Reclaimed water recycling treatment equipment
- ◆ Clean water, pure water pretreatment filter equipment
- ◆ Industrial metal waste liquid and cutting waste liquid evaporation concentration reduction equipment
- ◆ Recycling economy, various waste green energy recycling and reusing equipment
- ◆ Complete set of processing equipment for producing organic fertilizer or biogas from kitchen waste, fruit and vegetable waste, and poultry and livestock manures
- ◆ Green energy environmental protection and other related products
- ◆ Filtering, thickening, dehydration and drying equipment in various industrial processes



Profile / History & Table of Content



▲ Professional Manufacturing Factory in Taichung, Taiwan

Profile

Yuan Chang Tsay Industry Co., Ltd. was established in 1981. Since its inception, it has always adhered to the business philosophy of "Quality First, Pursuing Perfection, and Sustainable Management". Combining more than 30 years of professional manufacturing experience, we are constantly researching and improving to manufacture environmental protection equipment series. Using the latest design and technology to provide the best sewage treatment equipment and waste recycling equipment. We have a comprehensive distribution system in the world to provide fast and reliable services, and we have the most complete and excellent after-sales service team, and hope to create a green and pollution-free living environment with the industry.

CORPORATE PHILOSOPHY: TURN SEWAGE INTO SPRING, CHANGE SLUDGE INTO RESOURCE, MAKE GARBAGE INTO GOLD.

History

- 1981/July** "Hong Hsiang" (Yuan Chang's predecessor) was founded as a specialized company for maintaining and repairing paper making machine.
- 1994/July** Yuan Chang Tsay Industry Co., Ltd. was established and specialized in producing various environmental protection equipments.
- 1997/Jan** Had the authorized dealers in Taipei and Kaohsiung, combined our Headquarter in Taichung to offer the complete sales and after service for our customers.
- 2002/Oct** Had Export Department to develop foreign market positively, the oversea sales and service network including China, Japan, U.S.A., Russia, Australia, Europe, Southeast Asia, West Asia, South Asia, Central and South America, Middle East, Oceania, Africa...etc. Products have a high reputation and evaluation.
- 2003/Jan** Had the authorized agents to offer the complete sales and after service for the customers in China.
- 2003/Feb** Purchased the new factory base at Quanlian Industry Park in Taichung Port.
- 2004/Aug** Estimated and started ISO 9001:2000 International Quality Management System in our company.
- 2005/Mar** Acquired the ISO 9001:2000 Quality System Certificate.
- 2007/Sep** The new factory inauguration.
- 2009/Jan** Renewed ISO 9001:2008 Quality System Certificate.
- 2011/Aug** In collaboration with Industrial Technology Research Institute of Taiwan, R.O.C. for R & D and technology transfer of the relative products.
- 2012/Jan** Acquired the CE Certificate of wastewater treatment recycling system.
- 2012/Dec** Stationed two Incubation Centers of Science and Technology University and through the cooperation of factory with school to improve our products.
- 2014/Jan** Purchased a new factory and combined into total area of 7,100 M² Headquarter.
- 2014/May** Established three branch offices in Bangkok, Thailand and Shanghai, Shenzhen, Guangzhou in China to expand the business and marketing services.
- 2018/Jan** Renewed ISO 9001:2015 Quality System Certificate.
- 1998~Now** Acquired multiple patents of Germany, United States, China, Taiwan and other countries, acts as a leader in the industry in Taiwan with the excellent technology of products.
- 2019/Jul** The sales volume of our equipments exceeds 5,000 sets. Accomplish the whole plant output targets with professional manufacturing of environmental protection equipment, product marketing world-renowned private enterprises and public institutions for a high reputation and recognition.

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 - ▶ Automatic bar screen (ladder / rotary)
 - ▶ Solid and liquid separation machine (outer / inner wheel / inclined screen)
 - ▶ Oil and water separation equipment (wastewater oil removal machine)
 - ▶ High-efficiency pressurized flotation (air flotation) equipment
 - ▶ Efficient shallow pressure flotation (air flotation) equipment
 - ▶ Oblique plate type rapid sedimentation tank
 - ▶ Desander / sand water separator
 - ▶ Sludge thickener.
 - ▶ Automatic chemical dissolving machine for powder dissolution
 - ▶ Filter belt type sludge dewatering machine
 - ▶ Chamber plate type / membrane type secondary filter press dehydrator
 - ▶ Screw press type dewatering machine
 - ▶ Multi-ring screw type sludge dewatering equipment
- Sludge drying and reduction processing equipment
 - ▶ Sludge drying equipment
- Reclaimed water recycling, clean & pure water pre-treatment equipment
 - ▶ Micro-fine sieve filter
 - ▶ Super intelligent precision differential pressure filter
 - ▶ Fully automatic pressure backwash sand bed filter.
 - ▶ Automatic continuous flow sand bed filtering equipment
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- Evaporation reduction equipment for metal waste liquid and cutting waste liquid
 - ▶ Heat pump vacuum waste liquid evaporation concentration reduction processor
 - ▶ Vapor-type waste liquid evaporation concentration reduction treatment equipment
- Complete set of processing equipment for producing organic fertilizer or biogas from kitchen waste, fruit and vegetable waste, and poultry and livestock manures
 - ▶ Special solid and liquid separation extruder for poultry manure
 - ▶ Small amount of animal manure rapid fermentation machine
 - ▶ Large-scale poultry manure rapid fermentation composting equipment
 - ▶ A large-scale spiral dehydrator for kitchen waste and fruit and vegetable waste
 - ▶ Small kitchen waste decomposition and fermentation processing machine
 - ▶ Complete set of processing equipment for organic fertilizer from kitchen waste, fruit and vegetable waste, poultry and livestock manures
- Green energy environmental protection and other related products
 - ▶ Small sewage treatment system
 - ▶ Waste water treatment line
 - ▶ Manufacture of various filter plates / filter cloths and filter belts
 - ▶ Micro (green) algae harvester (multi-layer filter type)
- Filtration, thickening, dehydration, drying equipment in various industrial processes
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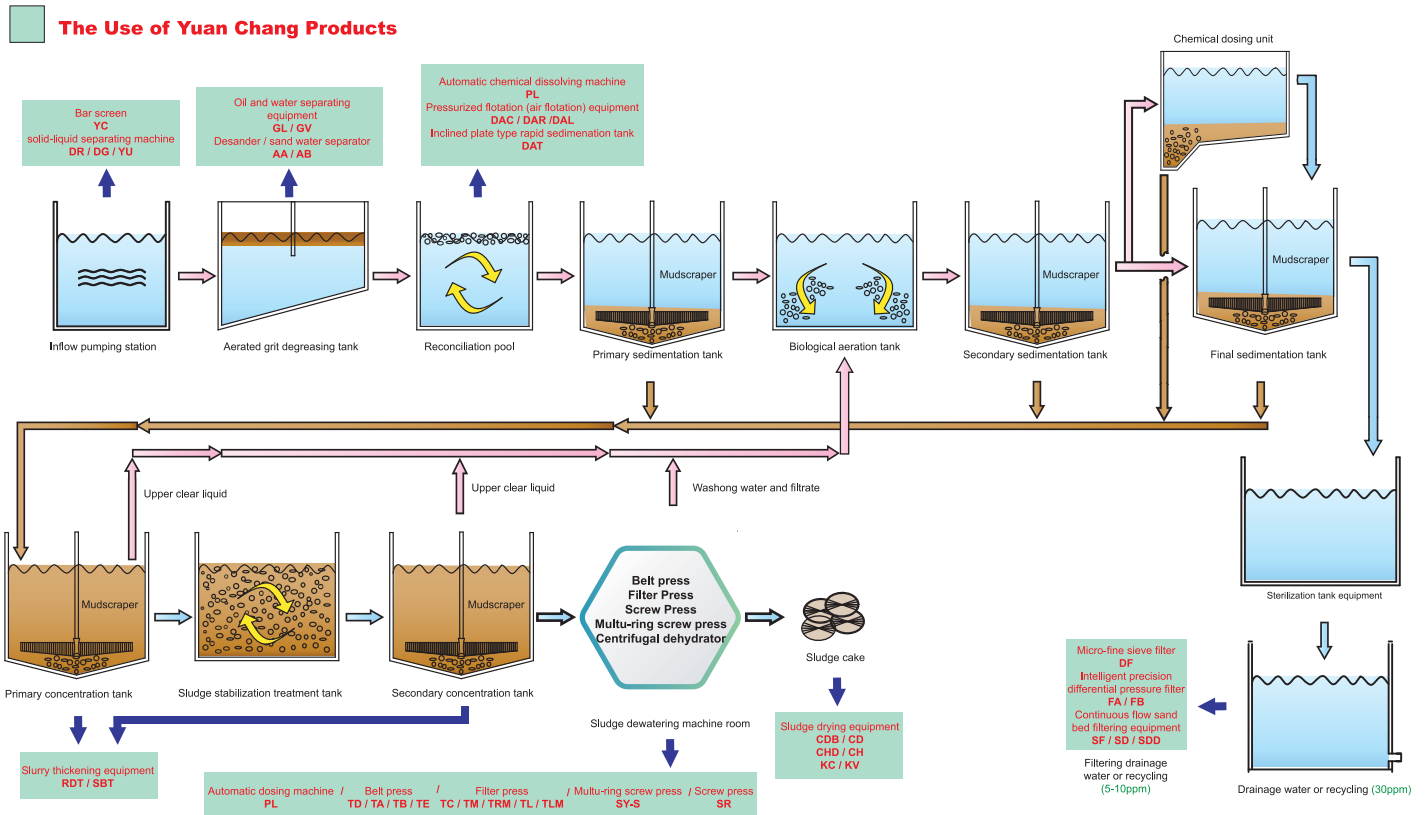
Patent / Certification & Wastewater Treatment Process Reference Flowchart

AFFIRMATION OF HONOR AND PATENT CERTIFICATION

- ★The Leading Professional Manufacturer and leading brand in Taiwan, sales volume exceeds 5,000 units.
- ★Yuan Chang Company is a professional manufacturer of environmental protection equipments and certificated by the ISO9001 quality system. Our quality is worthy of your trust. Certificate No. : 18QMA30461
- ★Acquired the CE Safety Certification of 『 Wastewater recycling treatment system 』 , Certificate No. : EZ/2011/A0012C
- ★Certificated the Multiple Product Patents of Germany / U.S.A. / China / Taiwan.



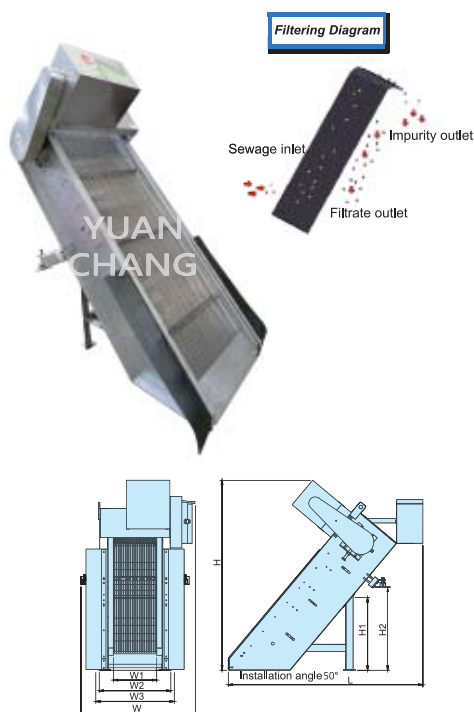
General wastewater treatment process reference flowchart



Wastewater (sewage) treatment plant equipment

AUTOMATIC BAR SCREEN

YC1 series (back rack type - small / medium slag amount)



Standard specifications (Contact for customized)

| Spec. | | Model | YC1-30 | | | YC1-45 | | | YC1-60 | | | YC1-60L | | | YC1-90 | | |
|--------------------------------|----------|---|--------|-----|------|--------|-----|------|--------|-----|------|---------|-----|------|--------|------|--|
| | | 4 | 6 | 8 | 4 | 6 | 8 | 4 | 6 | 8 | 4 | 6 | 10 | 4 | 6 | 10 | |
| Bar spacing (mm) | | | | | | | | | | | | | | | | | |
| Capacity (water) (m³/hr) | | 125 | 156 | 181 | 190 | 240 | 268 | 255 | 318 | 363 | 408 | 508 | 852 | 615 | 767 | 1267 | |
| Effective screen width W1 (mm) | | 300 | | | 450 | | | 600 | | | 600 | | | 900 | | | |
| Machine bottom width W2 (mm) | | 495 | | | 645 | | | 795 | | | 795 | | | 1095 | | | |
| Channel width W3 (mm) | | 540 | | | 690 | | | 840 | | | 840 | | | 1140 | | | |
| Effective water depth H1 (mm) | | 500 | | | 500 | | | 500 | | | 800 | | | 800 | | | |
| Channel depth H2 (mm) | | 570 | | | 570 | | | 570 | | | 870 | | | 870 | | | |
| Installation angle | | 50° | | | | | | | | | | | | | | | |
| Bar screen drive (HP) | | 1/4 | | | 1/4 | | | 1/4 | | | 1/2 | | | 1/2 | | | |
| Material | Standard | Stainless steel SUS304 | | | | | | | | | | | | | | | |
| | Optional | Stainless steel SUS316 、Other special materials | | | | | | | | | | | | | | | |
| Reference dimension (mm) | Lenth L | 1350 | | | 1350 | | | 1350 | | | 1650 | | | 1650 | | | |
| | Width W | 810 | | | 960 | | | 1110 | | | 1110 | | | 1410 | | | |
| | Height H | 1350 | | | 1350 | | | 1350 | | | 1700 | | | 1700 | | | |
| Reference weight (kgs) | | 150 | | | 190 | | | 220 | | | 280 | | | 350 | | | |

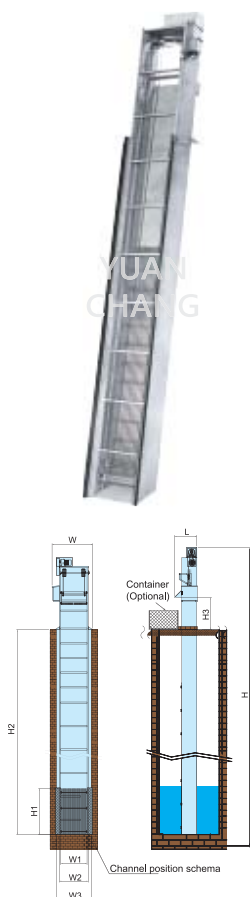
Remarks:

- ▲ Long-fiber, long-haired or rope-like substances in wastewater (sewage) are not suitable for this model, special care.
- ▲ This model is designed for channel depths of approximately 1 meter.
- ▲ The above table shows the demand and construction work and water quality.
- ▲ Please contact for the fence size and handling capacity for different applications.
- ▲ The following parameters must be provided when ordering: channel enthalpy, channel depth, installation angle, grid spacing, slagging height, maximum water level.
- ▲ Revised purchase type indication-Ex. YC1-30-6 (model - effective screen width - bar spacing).
- ▲ The specification is accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please request the actual installation dimension drawing before ordering.

Usages

- ◎ Mainly used in hospitals, school facilities, social life water, small municipal water, small and medium-sized industrial water, and pre-stage flow suspension and solid matter removal and protection post-treatment equipment (water pump) evacuation foreign object blockage. Generally used as a fine/medium grid.

YC3 series (steel cable type - for large / extra large slag amount)



Standard specifications (Contact for customized)

| Model | | YC3-45 | | | YC3-60 | | | YC3-90 | | | YC3-120 | | | YC3-150 | | | YC3-200 | | | YC3-250 | | | |
|--------------------------------|----------|---|------|------|--------|------|------|--------|------|------|---------|------|------|---------|------|------|---------|------|------|---------|------|-------|-------|
| Spec. | | 10 | 20 | 30 | 10 | 20 | 30 | 10 | 20 | 30 | 10 | 20 | 30 | 50 | 10 | 20 | 30 | 50 | 75 | 20 | 30 | 50 | 75 |
| Bar spacing (mm) | | 10 | 20 | 30 | 10 | 20 | 30 | 10 | 20 | 30 | 10 | 20 | 30 | 50 | 10 | 20 | 30 | 50 | 75 | 20 | 30 | 50 | 75 |
| Capacity (water) (m³/hr) | | 1550 | 1950 | 1900 | 1900 | 2600 | 2900 | 3400 | 4000 | 4300 | 4550 | 4900 | 5450 | 5900 | 5700 | 6100 | 6800 | 7400 | 8200 | 9050 | 9900 | 10300 | 11900 |
| Effective screen width W1 (mm) | | 450 | | | 600 | | | 900 | | | 1200 | | | 1500 | | | 2000 | | | 2500 | | | |
| Machine bottom width W2 (mm) | | 550 | | | 700 | | | 1010 | | | 1380 | | | 1680 | | | 2200 | | | 2750 | | | |
| Channel width W3 (mm) | | 700 | | | 850 | | | 1160 | | | 1480 | | | 1800 | | | 2320 | | | 2870 | | | |
| Effective water depth H1 (mm) | | The treatment volume is calculated by the water depth of 2M | | | | | | | | | | | | | | | | | | | | | |
| Channel depth H2 (mm) | | Depends on the needs of the site (general 3 ~ 5M) | | | | | | | | | | | | | | | | | | | | | |
| Slag removal height H3 (mm) | | Depending on the needs of the machine | | | | | | | | | | | | | | | | | | | | | |
| Installation angle | | ≥ 75° | | | | | | | | | | | | | | | | | | | | | |
| Bar screen drive (HP) | | 1/2 | | | 1/2 | | | 1 | | | 1 | | | 2 | | | 3 | | | 3 | | | |
| Hook moving speed (M / min) | | About 6 | | | | | | | | | | | | | | | | | | | | | |
| Overgate flow speed (M/s) | | ≤ 1 | | | | | | | | | | | | | | | | | | | | | |
| Material | Standard | Stainless steel SUS304 | | | | | | | | | | | | | | | | | | | | | |
| | Optional | Stainless steel SUS316 · Other special materials | | | | | | | | | | | | | | | | | | | | | |
| Reference dimension (mm) | Length L | Depending on the needs of the machine | | | | | | | | | | | | | | | | | | | | | |
| | Width W | 990 | | | 1150 | | | 1470 | | | 1790 | | | 2090 | | | 2610 | | | 3150 | | | |
| | Height H | Depending on the needs of the machine | | | | | | | | | | | | | | | | | | | | | |
| Reference weight (kgs) | | Depending on the needs of the machine | | | | | | | | | | | | | | | | | | | | | |

Remarks :

- ▲ The above listed data is subject to the on-site process and water quality conditions.
- ▲ Please select the fence size and handling capacity for different purposes.
- ▲ The power in the table is the power when the channel depth is less than 10M. When the depth exceeds 10M, the power needs to be increased by one level.
- ▲ Customers must provide the following parameters when ordering: channel width, channel depth, installation angle, bar spacing, slag removal height, maximum water level.
- ▲ When ordering, the model number is shown - Example YC3-90-10 (ie model - effective screen width - bar spacing).
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- ◎ It is mainly used in sewage treatment plants, pumping stations, comprehensive municipal sewage plants, various industrial wastewaters, etc., intercepting and catching floating objects, suspended solids and heavier sediments in the water to protect the pump from foreign matter. Generally used as a large, extra large barscreen.

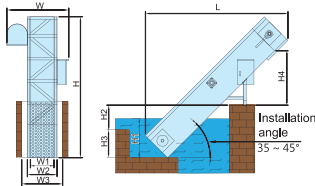
Wastewater (sewage) treatment plant equipment

AUTOMATIC BAR SCREEN

YCW Series (paddle wheel type)



Two-stage extruder device
(Optional equipment)



Features

- ★ The whole machine is made of stainless steel, which is durable.
- ★ The large pitch of the driven gear is not easy to be damaged.
- ★ Use a stainless steel cylinder for immersion under the water, gearless design doubles durability.
- ★ The whole size bearings are made of stainless steel.
- ★ It can also be equipped with a two-stage extruder device, which can initially reduce the water content of the processed material, which is suitable for dehydration of poultry and animal manure.

Usages

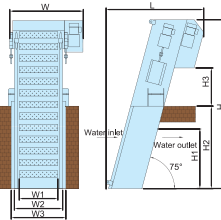
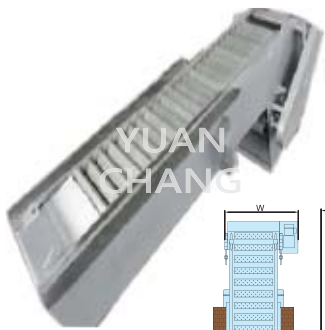
- Suitable for the solid removal of rotten substances, short fibers and tangled materials (not applicable to long fibers).
- Debris from poultry and animal hair and solids from animal leather wastewater.
- Application of solid waste removal for sewage treatment, domestic animal husbandry, slaughtering, food, tanning, papermaking, etc.

Standard specifications (Contact for customized)

| Model | | YCW-42 | | | | | YCW-60 | | | | |
|--------------------------------|--|--|-----|-----|-----|-----|--------|-----|-----|-----|-----|
| Spec. | | 1 | 1.5 | 2 | 3 | 5 | 1 | 1.5 | 2 | 3 | 5 |
| Separation mesh aperture (mm) | | 1 | 1.5 | 2 | 3 | 5 | 1 | 1.5 | 2 | 3 | 5 |
| Capacity (water) (m³/hr) | | 285 | 410 | 370 | 410 | 580 | 400 | 580 | 525 | 580 | 820 |
| Effective screen width W1 (mm) | | 420 | | | | | 600 | | | | |
| Machine bottom width W2 (mm) | | 530 | | | | | 690 | | | | |
| Channel width W3 (mm) | | 730 | | | | | 890 | | | | |
| Effective water depth H1 (mm) | | The treating capacity is designed by the water depth of 1M | | | | | | | | | |
| Channel depth H2 (mm) | | Depends on the needs of the site (general 0.8 ~ 1M) | | | | | | | | | |
| Installation depth H3 (mm) | | 600 (Channel digging depth) | | | | | | | | | |
| Slag removal height H4 (mm) | | Depending on the needs of the machine (Suggest 1.2 ~1.5M) | | | | | | | | | |
| Installation angle | | 35° ~ 45° | | | | | | | | | |
| Overgate flow speed (M/S) | | 0.5 ~ 1.0 | | | | | | | | | |
| Bar screen drive (HP) | | 1 | | | | | 2 | | | | |
| Material | Standard | Stainless steel SUS304 | | | | | | | | | |
| | Optional | Stainless steel SUS316 / Other special materials | | | | | | | | | |
| Reference dimension (mm) | L | 2400 / 3600 / 4800 / 6000 / 7200 / 9000 | | | | | | | | | |
| | Others can be customized according to the site environment | | | | | | | | | | |
| | W | 1020 | | | | | 1300 | | | | |
| | H | Depending on the needs of the machine | | | | | | | | | |
| Reference weight (kgs) | | Depending on the needs of the machine | | | | | | | | | |

Remarks :
 ▲ The above listed data is subject to the on-site process and water quality conditions.
 ▲ Please select the fence size and handling capacity for different purposes.
 ▲ Customers must provide the following parameters when ordering: channel width, channel depth, installation angle, bar spacing, slag removal height, maximum water level.
 ▲ When ordering, the model number is shown - Example YCW-42-1 (i.e. model - effective filter net width - filter net mesh size).
 ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
 ▲ Please ask for the actual installation dimension drawing before ordering.

YCT Series (stepped type)



Standard specifications (Contact for customized)

| Spec. | Model | YCT-30 | YCT-45 | YCT-60 | YCT-90 | YCT-120 |
|--------------------------------|----------|---|-------------|-------------|-------------|-------------|
| Rake teeth opening (mm) | | 1、2、3、4、6、8 | | | | |
| Capacity (water) (m³/hr) | | 180 ~ 864 | 270 ~ 1296 | 360 ~ 1728 | 540 ~ 2592 | 720 ~ 3456 |
| Effective screen width W1 (mm) | | 300 | 450 | 600 | 900 | 1200 |
| Machine bottom width W2 (mm) | | 450 | 600 | 750 | 1150 | 1450 |
| Channel width W3 (mm) | | 550 | 700 | 850 | 1250 | 1550 |
| Effective water depth H1 (mm) | | The treatment volume is calculated by the water depth of 1M | | | | |
| Channel depth H2 (mm) | | Depends on the needs of the site (general 1 ~ 5M) | | | | |
| Slag removal height H3 (mm) | | Depending on the needs of the machine | | | | |
| Installation angle | | 60° ~ 80° (Standard 75°) | | | | |
| Overgate flow speed (M/S) | | 0.5 ~ 1.0 | | | | |
| Bar screen drive (KW) | | 0.37 ~ 0.56 | 0.56 ~ 0.75 | 0.56 ~ 0.75 | 0.75 ~ 1.12 | 0.75 ~ 1.12 |
| Material | Standard | Stainless steel SUS304 | | | | |
| | Optional | Stainless steel SUS316 · Other special materials | | | | |
| Reference weight (kgs) | | Depending on the needs of the machine | | | | |

Remarks : ▲ Same as the remarks of YC3 series.
 ▲ When ordering, the model number is shown - Example YCT-30-6 (i.e. model - effective screen width - rake teeth opening)

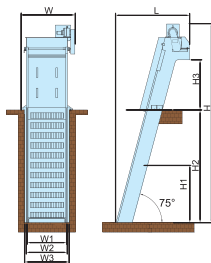
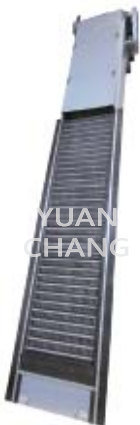
Features

- ★ The ladder trap has a reliable self-cleaning effect.
- ★ Reliable self-cleaning ability in structural design, no dirt entanglement and stagnation.
- ★ High degree of automation, high separation efficiency, low power consumption, no noise, good corrosion resistance.
- ★ Simple operation, low failure rate, greatly reduced wearing parts, long service life, compared with rake teeth grid.
- ★ The slag is clean and free from entanglement, which greatly improves the filtration efficiency.

Usages

- Urban sewage treatment, especially suitable for removing fibrous wastes from printing and dyeing wastewater.
- Pre-stage screening equipment in wastewater treatment processes in the textile, food processing, paper, leather and other industries.
- Removal of floating and suspended matter from municipal wastewater and industrial wastewater.
- Solid removal of raw hair and hair washing wastewater.
- The solids at the inlet of the tap water intake point, at the cooling water inlet of the thermal power plant are removed.

YCR Series (Rotary type)



Standard specifications (Contact for customized)

| Spec. | Model | YCR-45 | YCR-60 | YCR-90 | YCR-120 | YCR-150 | YCR-200 |
|--------------------------------|----------|---|-------------|-------------|-------------|-------------|-------------|
| Rake teeth opening (mm) | | 10、20、30、50、75 | | | | | |
| Capacity (water) (m³/hr) | | 675 ~ 1620 | 900 ~ 2160 | 1350 ~ 3240 | 1800 ~ 4320 | 2250 ~ 5400 | 3000 ~ 7200 |
| Effective screen width W1 (mm) | | 450 | 600 | 900 | 1200 | 1500 | 2000 |
| Machine bottom width W2 (mm) | | 630 | 780 | 1080 | 1380 | 1680 | 2180 |
| Channel width W3 (mm) | | 730 | 880 | 1180 | 1480 | 1780 | 2280 |
| Effective water depth H1 (mm) | | The treatment volume is calculated by the water depth of 1M | | | | | |
| Channel depth H2 (mm) | | Depends on the needs of the site (general 1 ~ 5M) | | | | | |
| Slag removal height H3 (mm) | | Depending on the needs of the machine | | | | | |
| Installation angle | | 60° ~ 80° (Standard 75°) | | | | | |
| Overgate flow speed (M/S) | | 0.5 ~ 1.0 | | | | | |
| Screen line speed (M/min) | | ≤3 | | | | | |
| Overgate flow speed (KW) | | 0.56 ~ 0.75 | 0.56 ~ 0.75 | 0.75 ~ 1.12 | 0.75 ~ 1.12 | 1.12 ~ 2.25 | 1.12 ~ 2.25 |
| Material | Standard | Stainless steel SUS304 | | | | | |
| | Optional | Stainless steel SUS316 · Other special materials | | | | | |
| Reference weight (kgs) | | Depending on the needs of the machine | | | | | |

Remarks : ▲ Same as the remarks of YC3 series.
 ▲ When ordering, the model number is shown - Example YCR-45-10 (i.e. model - effective screen width - rake teeth opening)

Features

- ★ The rotary dumper has a compact size and light weight, enabling continuous automatic solid-liquid separation.
- ★ High degree of automation, no vibration, no noise, high separation efficiency and long service life.
- ★ When the sewage trap is in normal operation, it has self-cleaning force and no clogging, and the power consumption of the equipment is small.
- ★ The transmission parts of the fouling machine are all installed above the canal, which is convenient for installation and maintenance.
- ★ It is applied to urban sewage treatment plants, waterworks, power plant inlets, and automatically intercepts and removes floating objects in the water to ensure the normal operation of the next process.
- ★ Solid-liquid separation solids removal in tannery wastewater treatment and papermaking wastewater treatment projects.

Usages

- Mainly used for solid-liquid separation at the inlet of shallower channels, such as water supply and drainage pumping stations, sewage and rainwater pumping stations, sewage treatment plants, water purification plants, etc.
- Suitable for solid waste removal in domestic sewage treatment, textile printing and dyeing wastewater treatment, slaughtering, sugar making, wine making and food processing wastewater treatment.
- It is applied to urban sewage treatment plants, waterworks, power plant inlets, and automatically intercepts and removes floating objects in the water to ensure the normal operation of the next process.
- Solid-liquid separation solids removal in tannery wastewater treatment and papermaking wastewater treatment projects.

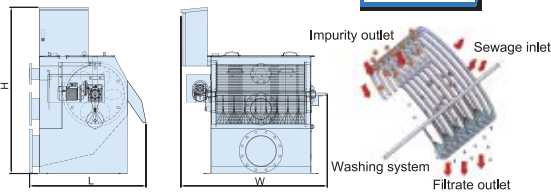
Wastewater (sewage) treatment plant equipment

Solid / liquid separation machine

DR Series (Outer wheel screen)



Filtering Diagram



Standard specifications (Contact for customized)

| Spec. | | Model | DR-60-30 | DR-60-60 | DR-60-90 | DR-60-120 | DR-60-180 |
|-----------------------------|--------------------------------|---|---|--------------------------|-------------------|-------------------|-----------------|
| Capacity (water) (m³/hr) | Screen slit spacing (mm) | 0.5 | 41 | 82 | 124 | 160 | 240 |
| | | 1.0 | 76 | 154 | 230 | 300 | 450 |
| | | 1.5 | 93 | 186 | 278 | 360 | 540 |
| | | 2.0 | 114 | 228 | 340 | 440 | 660 |
| | | 3.0 | 145 | 286 | 425 | 550 | 826 |
| Power usage (HP) | Standard | Drum drive (no step changer or inverter) | 1/2 (no step changer) | 1/2 (no step changer) | 3/4 (inverter) | 3/4 (inverter) | 1 (inverter) |
| | Optional | Washing pump | Power demand will vary depending on the spacing of the screen | | | | |
| Material | | Standard | Stainless steel SUS304 | | | | |
| | | Optional | Stainless steel SUS316 、 Other special materials | | | | |
| Reference dimension (mm) | | L | 1200 | 1200 | 1200 | 1200 | 1200 |
| | | W | 900 | 1200 | 1500 | 1800 | 2400 |
| | | H | 1650 | 1650 | 1700 | 1700 | 1700 |
| Reference weight (kgs) | | | 280 | 350 | 420 | 480 | 680 |

Remarks: :

▲ Washing pump and sewage pump are optional, please contact us separately.

▲ The above listed data is subject to the on-site process and water quality conditions.

▲ Wedge mesh size (smaller than 0.5 mm, larger than 3.0 mm) and processing capacity for different applications, please contact us separately.

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- Filtration separation and removal of particulate contaminants in various types of industrial wastewater.
- The tap water is filtered before entering the water and filtered by rainwater.
- The removal of solid materials such as kitchen waste and grease scum before the hotel, catering industry, leisure and entertainment.
- The removal of solids such as scum and suspended particles from circulating water in the paint painting industry.
- Removal of crumb solids from the slaughter industry, the meat processing industry, and the fish processing industry.
- Engineering drainage and combined wastewater treatment in urban sewage, pulp industry, chemical industry, etc

DG Series (Inner wheel screen)

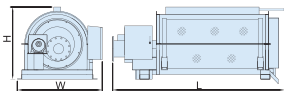
Filtering Diagram



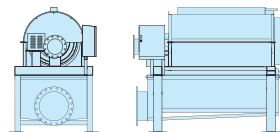
(B.Special type: integrated water pan type)



(A.Standard type: RC base type)



(A.Standard type: RC base type)



(B.Special type: integrated water pan type)
(Please contact us dimension)

Standard specifications (Contact for customized)

| Spec. | | | Model | DG-40 | DG-60 | DG-80 | DG-100 | DG-130 | DG-150 | DG-150L |
|--|--------------------------------|-----------------------|---|-------|-------|-------|--------|--------|--------|---------|
| Capacity (water) (m³/hr) | Screen slit spacing (mm) | 0.5 | 49 | 106 | 166 | 185 | 309 | 394 | 573 | |
| | | 1.0 | 91 | 199 | 312 | 348 | 581 | 739 | 1075 | |
| | | 1.5 | 145 | 316 | 496 | 554 | 924 | 1175 | 1710 | |
| | | 2.0 | 202 | 440 | 689 | 769 | 1284 | 1633 | 2376 | |
| | | 3.0 | x | 608 | 955 | 1065 | 1778 | 2263 | 3292 | |
| Power usage (HP) | Standard | Drum drive (inverter) | 1/2 | 1 | 2 | 2 | 3 | 3 | 5 | |
| | Optional | Washing pump | Power demand will vary depending on the spacing of the screen | | | | | | | |
| Material | | Standard | Contact part stainless steel SUS304, base carbon steel SS400 anti-corrosion treatment | | | | | | | |
| | | Optional | Stainless steel SUS304 or SUS316 · Other special materials | | | | | | | |
| Standard type (RC base type) Reference dimension (mm) | | L | 1750 | 2250 | 2750 | 2950 | 3680 | 3750 | 4750 | |
| | | w | 900 | 1280 | 1450 | 1750 | 2100 | 2350 | 2350 | |
| | | H | 950 | 1050 | 1250 | 1450 | 1750 | 2100 | 2100 | |
| Reference weight (kgs) | | | 300 | 450 | 900 | 1200 | 1950 | 2700 | 3500 | |

Remarks: ▲ Same as the remarks of DR outer wheel screen series.

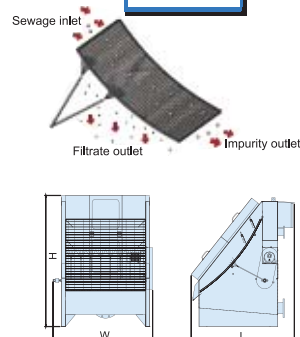
Usages

- The front part of the wastewater treatment removes and separates a large amount of suspended solids, floating matter and sediments to smooth the post-treatment process and reduce subsequent load and equipment protection.
- Public sewage, urban domestic sewage and slag blocking of large integrated wastewater treatment plants and removal of coarse solids.
- The river water, tap water, rainwater, and groundwater treatment are removed and separated.
- Engineering drainage and combined wastewater treatment in urban domestic sewage, pulp industry, leather industry, food industry, slaughter meat industry, fiber industry, chemical industry, etc.

YU Series (Slant screen)



Filtering Diagram



Standard specifications (Contact for customized)

| Spec. | | Model | YU-70 | YU-130 | YU-190 | |
|-----------------------------|-----------------------------|---|--|---|--------|-----|
| Capacity (water) (m³/hr) | Screen slit spacing (mm) | 1.0 | 33 | 70 | 110 | |
| | | 1.5 | 42 | 90 | 130 | |
| | | 2.0 | 48 | 100 | 150 | |
| | | 3.0 | 60 | 130 | 200 | |
| Power usage (HP) | Standard | Washing drive | | 1/2 | 1/2 | 1/2 |
| | Optional | Washing pump | | Power demand will vary depending on the spacing of the screen | | |
| | | Screw dewater conveyor (Applicable to livestock, fibrous sludge) | | 2 | 2 | 3 |
| Material | | Standard | Stainless steel SUS304 | | | |
| | | Optional | Stainless steel SUS316 · Other special materials | | | |
| Reference dimension (mm) | | L | 1600 | 1600 | 1600 | |
| | | W | 1050 | 1550 | 2150 | |
| | | H | 1960 | 1960 | 1960 | |
| Reference weight (kgs) | | | 270 | 380 | 530 | |

Remarks: ▲ The remarks are same as that of DR outer wheel screen.

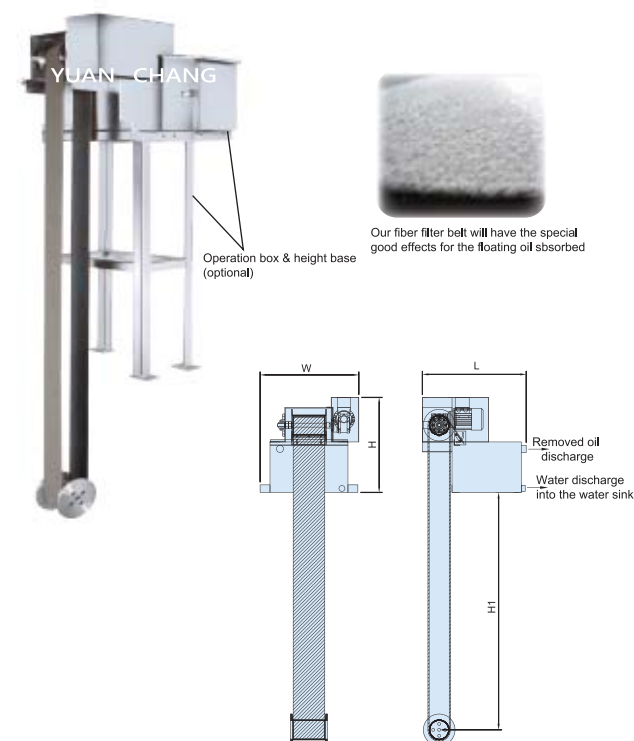
Usages

- Hospital, community domestic sewage, urban sewer comprehensive treatment plant, printing and dyeing industry, textile industry, leather industry, paper industry, chemical industry, aquatic product processing industry, food processing industry, meat processing industry, slaughtering industry, wine industry, sugar industry, etc. ...In the first stage of wastewater treatment, the scum and solid matter removal and fouling and solid and liquid separation projects are used.
- The separation and treatment of floating matter and solid matter in the waste water of animal husbandry.
- Recycling and recycling of raw materials in the paper and pulp industry.
- Protect the wastewater treatment equipment (pump) to avoid foreign matter blockage.

Wastewater (sewage) treatment plant equipment

Oil and water separation equipment (wastewater oil removal machine)

GL Belt series



Standard specifications (Contact for customized)

| Spec. | Model | GL-20 | GL-30 | GL-50 |
|---|-------|---|----------|----------|
| Treatment volume (recovered oil volume L/hr) (depends on the type of oil slick) | | 25 ~ 85 | 45 ~ 145 | 90 ~ 280 |
| Standing fiberwidth (mm) | | 90 | 160 | 300 |
| Power usage (HP) | | 1/8 | 1/8 | 1/8 |
| Mixing solution temperature (°C) | | 5 ~ 50 | | |
| Machine material | | Stainless steel SUS304 | | |
| Reference dimension (mm) | L | 480 | 530 | 700 |
| | W | 430 | 500 | 650 |
| | H | 430 | 480 | 650 |
| | H1 | about 400 ~ 1200 (Cooperate with user pool depth) | | |
| Reference weight (kgs) | | 30 | 40 | 95 |

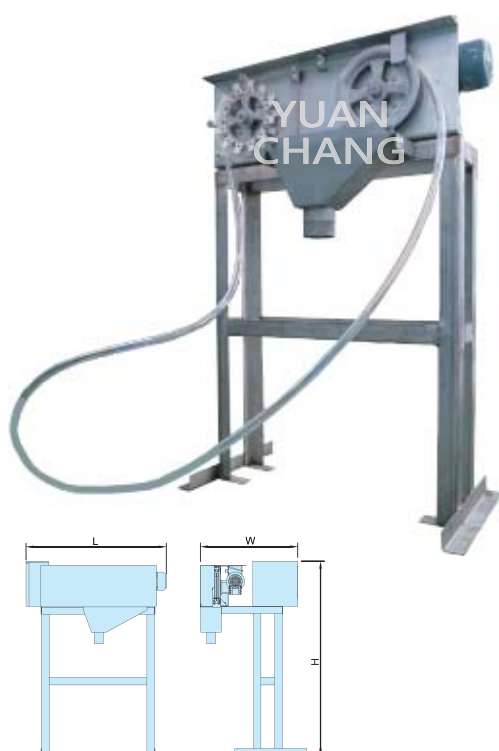
Remarks:

- ▲ The amount of oil to be treated depending on the type and thickness of the oil film. Please contact us separately.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- ◎ The oil from the recycling of various industries is separated from the waste (sewage) water (but does not contain emulsified oil and slag oil, etc.).
- ◎ Especially suitable for the steel industry, the metal industry, the metal processing industry, the metal surface treatment industry, etc.
- ◎ The adsorption oil slick medium is used for the vertical fiber filter belt.
- ◎ Suitable for recycling of spindle oil, precision industrial lubricants, industrial waste oil (low concentration / low viscosity), domestic waste oil (low concentration / low viscosity).

GV Tube series



Standard specifications (Contact for customized)

| Spec. | Model | GV-20 | GV-30 | GV-50 |
|---|-------|------------------------|----------|-----------|
| Treatment volume (recovered oil volume L/hr) (depends on the type of oil slick) | | 20 ~ 230 | 30 ~ 350 | 50 ~ 500 |
| Minimum pool capacity (mm x mm) | | 500x800 | 800x800 | 1300x1300 |
| Drive power (W) | | 120x2 | 150x2 | 180x2 |
| Maximum rise height (M) | | 10 | | |
| Machine type | | Vertical | | |
| Mixing solution temperature (°C) | | -10 ~ 95 | | |
| Mixing solution PH | | 5 ~ 14 | | |
| Machine material | | Stainless steel SUS304 | | |
| Reference dimension (mm) | L | 590 | 690 | 950 |
| | W | 680 | 680 | 680 |
| | H | 620 | 750 | 1320 |
| Reference weight (kgs) | | 65 | 90 | 110 |

Remarks :

- ▲ The data of the degreasing amount in the above specification table is measured according to the cutting fluid slick, forged oil and waste engine oil.
- ▲ The amount of treatment depends on the type of oil quality, such as high viscosity, medium, low and oil quality. Please contact us separately.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- ◎ The waste water treatment plant recycles the oil from various industries and separates it from waste (sewage) water.
- ◎ Small degreasing agent, precision industrial lubricating oil, industrial waste oil, and domestic waste oil pool are separated from oil and water.
- ◎ CNC processing plants, steel industry, automobile manufacturing plants, metal processing industry, metal surface treatment industry, heat treatment and quenching plants.
- ◎ The animal fat and vegetable oil floating on the water are separated and used.

Wastewater (sewage) treatment plant equipment

High efficiency pressurization floatation (air floatation) equipment

DAC Series (Circular barrel)

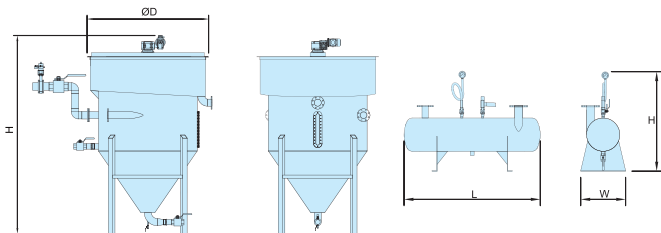


Standard specifications (Contact for customized)

| | | Model | DAC-5 | DAC-10 | DAC-15 | DAC-20 |
|---|--|--|---|----------|----------|----------|
| Spec. | | | 3 ~ 5 | 7 ~ 10 | 12 ~ 15 | 17 ~ 20 |
| Treatment capacity (m³/hr) Influent concentration (S.S 0.1 ~ 0.3%) | | | | | | |
| Concentrated sludge water content (%) | | 1 ~ 3 | | | | |
| Power usage (HP) | Mud dial driver (constant speed) | | 1/2 | 1/2 | 1/2 | 1/2 |
| | Emulsified water pressurized pump (Optional) | Depends on the SS concentration of the water quality of the case | | | | |
| Main tank body and air dissolution tank material | | Standard | Contact parts SUS304 + externally reinforced SS400 + Epoxy anti-corrosion treatment | | | |
| | | Optional | All stainless steel SUS304、SUS316 | | | |
| Reference dimension (mm) | Floating tank | D (Φ) | 1180 | 1720 | 1970 | 2370 |
| | | H | 2650 | 3100 | 3220 | 3850 |
| | Air soluble barrel | Φ x L | 200x1250 | 200x1250 | 250x1260 | 250x1260 |
| | | W | 330 | 330 | 380 | 380 |
| | | H | 860 | 860 | 910 | 910 |
| | | | | | | |

Remarks :

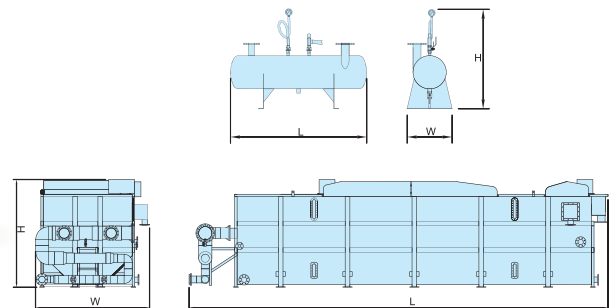
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.
- ▲ The piping belongs to the on-site pipeline configuration project



DAC / DAR Usages

- Wash water is filtered for recycling and reuse.
- Solid/liquid separation of various industrial wastewater chemical coagulation treatments.
- Separation of oil/water from oily wastewater treatment.
- The concentration treatment of the sludge effectively increases the concentration and reduces the treatment cost.
- For the treatment of sludge with a small specific gravity and a small site, the equipment has the characteristics of short residence time and strong floating ability, especially applicable.
- The pulp of the paper mill is recycled and reused.

DAR Series (rectangular tank)



Standard specifications (Contact for customized)

| Model | | DAR-20 | DAR-30 | DAR-40 | DAR-50 | DAR-75 | DAR-100 | DAR-150 | DAR-200 | |
|--|--|--|---|----------|----------|----------|----------|-----------|-----------|----------|
| Spec. | | | | | | | | | | |
| Treatment capacity (m³/hr) | | 10 ~ 20 | 15 ~ 30 | 20 ~ 40 | 30 ~ 50 | 50 ~ 75 | 75 ~ 100 | 100 ~ 150 | 150 ~ 200 | |
| Influent concentration (S.S 0.1 ~ 0.3%) | | | | | | | | | | |
| Concentrated sludge water content (%) | | 1 ~ 3 | | | | | | | | |
| Power usage (HP) | Mud dial driver (no step change) | 1/2x2 | 1/2x2 | 1/2x2 | 1/2x2 | 1/2x2 | 1x2 | 1x2 | 1x2 | |
| | Emulsified water pressurized pump (Optional) | Depends on the SS concentration of the water quality of the case | | | | | | | | |
| Main tank body and air dissolution tank material | | Standard | Contact parts SUS304 + externally reinforced SS400 + Epoxy anti-corrosion treatment | | | | | | | |
| | | Optional | All stainless steel SUS304 · SUS316 | | | | | | | |
| Reference dimension (mm) | Floating tank | L | 6050 | 7300 | 8450 | 9000 | 10250 | 12270 | 12000 | 12120 |
| | | W | 1700 | 2150 | 2500 | 2500 | 3300 | 3300 | 3700 | 4240 |
| | | H | 2200 | 2320 | 2320 | 2320 | 3000 | 3000 | 3600 | 4030 |
| | Air soluble barrel | Φ x L | 250x1260 | 300x1320 | 400x1360 | 400x1360 | 400x1850 | 400x2300 | 485x2300 | 600x2400 |
| | | W | 380 | 430 | 530 | 530 | 530 | 530 | 610 | 610 |
| | | H | 910 | 960 | 1050 | 1050 | 1050 | 1050 | 1150 | 1250 |

Remarks :

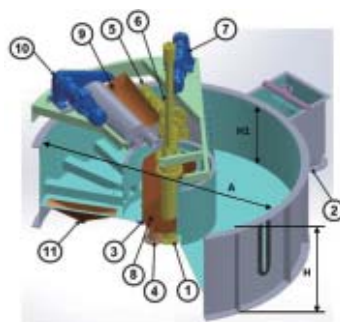
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.
- ▲ The piping belongs to the on-site pipeline configuration project.



Wastewater (sewage) treatment plant equipment

High efficiency shallow pressure floating (air floatation) equipment

DAL Series



Structure map

| No | Component |
|----|---|
| 1 | Raw water + emulsified water inlet |
| 2 | Clarification solution outlet |
| 3 | Circulating pressurized water outlet |
| 4 | Floating concentrated sludge discharge outlet |
| 5 | Inlet water distributor |
| 6 | Flow rate sharing guide channel |
| 7 | Rotary bracket drive motor |
| 8 | Sludge well |
| 9 | Rotary shovel bucket |
| 10 | Rotary shovel bucket drive motor |
| 11 | Bottom mud drain |

Standard specifications (Contact for customized)

| Model | | DAL-20 | DAL-30 | DAL-40 | DAL-50 | DAL-75 | DAL-100 | DAL-150 | DAL-200 | DAL-250 | |
|---|--|--|---|----------|----------|----------|----------|-----------|-----------|-----------|----------|
| Spec. | | | | | | | | | | | |
| Treatment capacity (m³/hr) Influent concentration (S.S 0.1 ~ 0.3%) | | 15 ~ 20 | 25 ~ 30 | 30 ~ 40 | 40 ~ 50 | 60 ~ 75 | 80 ~ 100 | 120 ~ 150 | 160 ~ 200 | 200 ~ 250 | |
| Concentrated sludge water content (%) | | 2 ~ 5 | | | | | | | | | |
| Power usage (HP) | Drive machine (no step change) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1 | 1 | 2 | 3 | |
| | Scraper (no step change) | 1/2 | 1/2 | 3/4 | 1 | 1 | 2 | 2 | 2 | 3 | |
| | Emulsified water pressurized pump (Optional) | Depends on the SS concentration of the water quality of the case | | | | | | | | | |
| Main tank body and air dissolution tank material | | Standard | Contact parts SUS304 + externally reinforced SS400 + Epoxy anti-corrosion treatment | | | | | | | | |
| | | Optional | All stainless steel SUS304・SUS316 | | | | | | | | |
| Reference dimension (mm) | Main body | A (φ) | 2200 | 2400 | 3000 | 3500 | 4200 | 5000 | 6000 | 7000 | 8100 |
| | | H | 900 | 900 | 900 | 900 | 900 | 900 | 950 | 950 | 950 |
| | | H1 | 650 | 650 | 650 | 650 | 650 | 650 | 700 | 700 | 700 |
| | Air soluble barrel | φ x L | 250x1300 | 250x1300 | 300x1500 | 300x1800 | 400x2400 | 400x2400 | 500x3000 | 500x3000 | 500x3800 |

Remarks :

- ▲The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲Please ask for the actual installation dimension drawing before ordering.
- ▲The piping belongs to the on-site pipeline configuration project.

Advantages

- ◆Small footprint, low investment and low operating costs.
- ◆Easy to operate and easy to maintain.
- ◆Programmable control with high degree of automation.
- ◆The hydraulic retention time is short, the processing capacity is large, and the outflow water quality is stable.

Features

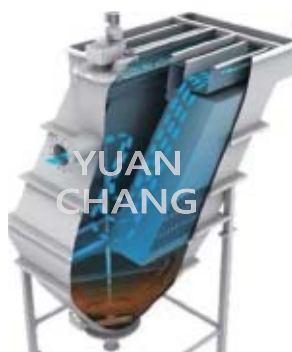
- ★The air floatation machine collects and integrates the structural design, which can effectively reduce the space requirement, and the overall appearance is exquisite and the energy consumption is low.
- ★The dissolved gas efficiency is high, the treatment effect is stable, and the dissolved gas pressure and the dissolved gas water reflux ratio can be adjusted as needed.
- ★Fully automated, easy to operate, and easy to manage.

Usages

- ◎Shallow air floatation machines are not only suitable for sewage treatment projects, but also for tap water supply projects.
- ◎It is applied to tap water plants that use lake water as a water source to remove algae and reduce turbidity.
- ◎Can be widely used in paper, leather, pharmaceutical, steel, oil refining, ship power, chemical, electroplating, food processing, beer, municipal sewage, textile, printing and dyeing, starch and other industries.
- ◎It is applied to the recycling of useful materials in industrial wastewater, such as fiber recycling in the papermaking and pulp industry process water.

Inclined plate type rapid sedimentation tank

DAT Series



Features

- ★The small footprint is only 10% of the traditional sedimentation tank, which is 1/4 of the length of the advection sedimentation tank, but the precipitation efficiency is increased by 3-5 times.
- ★Highly integrated equipment for equipment, all on-site production, easy installation, and effective saving of construction time.
- ★The equipment is sloping plate sedimentation, and there is no problem that the general inclined tube is blocked.
- ★The muddy mud can be automatically dropped into the slag bucket to facilitate mud discharge and reduce the labor intensity of the slag.
- ★According to the customer's needs, the mixer, the chemical tank and the mixed reaction tank can be used to coagulate the sewage at the same time, which expands the function of the equipment.
- ★Equipment operation, maintenance and cleaning are easy.

Usages

- ◎Treatment of industrial wastewater, domestic sewage, and non-ferrous metal processing wastewater. Biochemical water treatment and pretreatment of water purification.
- ◎Treatment of hydraulic dust removal wastewater from power plants and boiler rooms, and washing water treatment at gas stations.
- ◎Wastewater from coal mines, beneficiation wastewater, stone, mine sewage, printing and dyeing, bleaching and dyeing, tanning, food, chemical industry.
- ◎Townships, small and medium-sized enterprises and institutions to improve the quality of drinking water and small sewage projects.

Standard specifications (Contact for customized)

| Spec. | Model | DAT-5 | DAT-10 | DAT-20 | DAT-35 | DAT-50 | DAT-75 | DAT-100 | DAT-150 | DAT-200 |
|----------------------------|-------|-------|--------|---------|---------|---------|---------|----------|-----------|-----------|
| Treatment capacity (m³/hr) | | 3 ~ 5 | 7 ~ 10 | 16 ~ 20 | 30 ~ 35 | 45 ~ 50 | 65 ~ 75 | 85 ~ 100 | 130 ~ 150 | 160 ~ 200 |
| Sloping plate area (M²) | | 8 | 15 | 30 | 53 | 75 | 105 | 140 | 210 | 280 |
| Scraper power (HP) | | 1/4 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 | 1 | 1 |
| Reference dimension (mm) | L | 1600 | 2400 | 3000 | 3300 | 3500 | 4000 | 4500 | 5000 | 6300 |
| | W | 1000 | 1300 | 1500 | 1700 | 2000 | 2500 | 2500 | 3500 | 3500 |
| | H | 1800 | 2500 | 3500 | 3700 | 4000 | 4000 | 4000 | 4000 | 4500 |

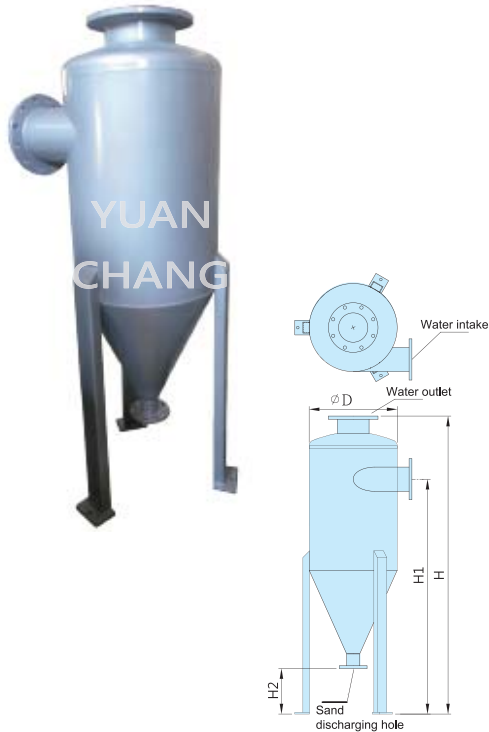
Remarks :

- ▲According to the water quality and quantity, on-site conditions, the operation, water direction, size, floor space, etc. are flexibly adjusted.
- ▲The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲Please ask for the actual installation dimension drawing before ordering.

Wastewater (sewage) treatment plant equipment

Sand remover / sand water separator

AA Series (closed swirling type sand remover)



Standard specifications (Contact for customized)

| Spec. | Model | AA-15 | AA-25 | AA-35 | AA-45 |
|----------------------------|------------------|------------------------|-----------|-----------|-------------|
| Treatment capacity (m³/hr) | | 90 ~ 160 | 250 ~ 400 | 600 ~ 860 | 1000 ~ 1430 |
| Water intake (DN) | | 150 | 250 | 350 | 450 |
| Water outlet (DN) | | 200 | 300 | 400 | 500 |
| Machine material | | Stainless steel SUS304 | | | |
| Reference dimension (mm) | Tank size (φ) | 500 | 800 | 1000 | 1400 |
| | Sand outlet (DN) | 80 | 100 | 150 | 200 |
| | H | 2030 | 2450 | 2900 | 3450 |
| | H1 | 1500 | 1720 | 2250 | 2750 |
| | H2 | 320 | 360 | 400 | 470 |

Remarks :

- ▲ The separation particle filtration precision of this equipment is $\geq 2.5\text{mm}$. Please specify when ordering special requirements.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation size chart before ordering.

Usages

- ◎ Sand water separation in urban sewers and industrial zone integrated sewage treatment plants.
- ◎ Separating sand water for using river water, well water, lake water water purification plant
- ◎ Separation of sand water such as industrial beneficiation and coal washing water.

AB Series (screw sand water separator)



Standard specifications (Contact for customized)

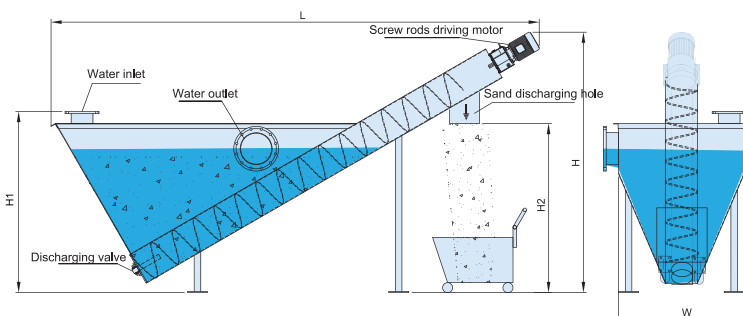
| Spec. | Model | AB-22 | AB-28 | AB-32 | AB-38 |
|----------------------------|-------|------------------------|---------|---------|---------|
| Screw diameter (mm) | | 220 | 280 | 320 | 380 |
| Treatment capacity (m³/hr) | | 10 ~ 20 | 20 ~ 35 | 25 ~ 45 | 35 ~ 65 |
| Power usage (HP) | | 2 | 2 | 3 | 3 |
| Speed (r/min) | | 5 | 5 | 5 | 5 |
| Machine material | | Stainless steel SUS304 | | | |
| Reference dimension (mm) | L | 4000 | 4500 | 6000 | 6500 |
| | W | 1200 | 1250 | 1420 | 1720 |
| | H | 2100 | 2350 | 3050 | 3250 |
| | H1 | 1700 | 1700 | 2150 | 2150 |
| | H2 | 1550 | 1750 | 2400 | 2550 |

Remarks :

- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

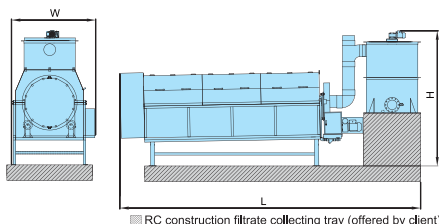
- ◎ Separate sand water with high sand content in sewage.
- ◎ Used in conjunction with the back of the grit chamber of the sewage treatment plant.
- ◎ Use with a closed sand remover or an open grit chamber.



Wastewater (sewage) treatment plant equipment

Continuous sludge thickener

RDT Series (Drum type)



RC construction filtrate collecting tray (offered by client)

Features

- ★ The structure is simple, the maintenance is easy, the running cost is low, and the maintenance cost is small.
- ★ The solid capture rate was 95%.
- ★ High performance, durable, base. No maintenance required
- ★ Low energy consumption, low polymer consumption.

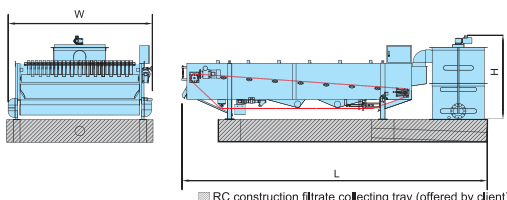
Standard specifications (Contact for customized)

| Spec. | Model | RDT-10 | RDT-15 | RDT-25 | RDT-40 | RDT-60 | RDT-90 |
|--|-----------------------------|-------------------------------|----------|-----------|-----------|-----------|-----------|
| Capacity (m ³ /hr) | | 4.0 ~ 10 | 7.5 ~ 15 | 12 ~ 25 | 20 ~ 40 | 30 ~ 60 | 45 ~ 90 |
| Influent concentration (S.S. 0.6~2.0%) | | | | | | | |
| Absolute dryness (kg/hr) | | 48 ~ 100 | 90 ~ 150 | 150 ~ 240 | 240 ~ 400 | 360 ~ 600 | 540 ~ 900 |
| Screen spec./mesh / # | | 30 ~ 80 | | | | | |
| Sludge outflow concentration (%) | | 3.5 ~ 11 | | | | | |
| Power usage (HP) | Drum drive (no step change) | 1/4 | 1/2 | 3/4 | 1 | 2 | 3 |
| | Conditioning mixer | 1/4 | 1/4 | 1/4 | 1/2 | 3/4 | 3/4 |
| Machine material | Standard | Stainless steel SUS304 | | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | | |
| Reference dimension (mm) | L | 3050 | 3600 | 4500 | 5000 | 5650 | 6850 |
| | W | 1150 | 1150 | 1260 | 1400 | 1600 | 1950 |
| | H | 2000 | 2000 | 2150 | 2500 | 2750 | 3100 |
| Reference weight (kgs) | | 300 | 450 | 700 | 1050 | 1450 | 2180 |

Remarks :

- ▲ All models are not equipped with the total drain pan under the filtrate.
- ▲ The full range of models with static mixing tube is standard.
- ▲ The amount of treatment, the amount of dryness, and the concentration of sludge outflow depend on the type, concentration and characteristics of the sludge.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.
- ▲ The washing pump (optional) needs to provide the best water pressure between 4.5 and 6.5kg/cm².

SBT Series (gravity filter belt type)



RC construction filtrate collecting tray (offered by client)

Features

- ★ High performance, durable and virtually maintenance free.
- ★ The solid capture rate was 98%.
- ★ Low energy consumption and low speed.
- ★ Low polymer consumption.

Standard specifications (Contact for customized)

| Spec. | Model | SBT-750 | SBT-1000 | SBT-1500 | SBT-2000 | SBT-2500 |
|--|-----------------------------|-------------------------------|----------|-----------|-----------|------------|
| Capacity (m ³ /hr) | | 15 ~ 30 | 30 ~ 45 | 45 ~ 65 | 65 ~ 85 | 80 ~ 105 |
| Influent concentration (S.S. 0.4~2.0%) | | | | | | |
| Absolute dryness (kg/hr) | | 45 ~ 180 | 90 ~ 270 | 135 ~ 435 | 260 ~ 808 | 320 ~ 1050 |
| Belt width (mm) | | 750 | 1000 | 1500 | 2000 | 2500 |
| Sludge outflow concentration (%) | | 3.0 ~ 9.0 | | | 4.0 ~ 12 | |
| Power usage (HP) | Belt drive (no step change) | 3/4 | 3/4 | 3/4 | 2 | 2 |
| | Conditioning mixer | 1/2 | 3/4 | 3/4 | 3/4 | 3/4 |
| Machine material | Standard | Stainless steel SUS304 | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | |
| Reference dimension (mm) | L | 5340 | 5440 | 5540 | 6650 | 6850 |
| | W | 1500 | 1750 | 2250 | 2750 | 3250 |
| | H | 1650 | 1800 | 1800 | 2000 | 1900 |
| Reference weight (kgs) | | 950 | 1250 | 1500 | 1850 | 2250 |

Remarks :

- ▲ All models are not equipped with the total drain pan under the filtrate.
- ▲ The full range of models with static mixing tube is standard.
- ▲ The amount of treatment, the amount of dryness, and the concentration of sludge outflow depend on the type, concentration and characteristics of the sludge.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.
- ▲ The washing pump (optional) needs to provide the best water pressure between 4.5 and 6.5kg/cm².

RDT / SBT Application industries and usages

- For various low-concentration sludge (between S.S. 0.4 ~ 1.0%) concentration reduction, it can effectively increase the S.S. concentration to between 3.5 ~ 12%, and indeed achieve the cost-effectiveness of sludge volume reduction.
- Especially suitable for various industrial areas, such as integrated sewage plants, municipal sewage plants, water purification plants, etc., where a large amount of sludge needs to be treated.
- Various industrial sludge reduction pre-concentration treatment.
- Tap water is filtered before entering the water and filtered by rainwater.
- Engineering drainage and combined wastewater treatment of urban domestic sewage, pulp industry, fiber industry, chemical industry, etc.
- Water supply plant, sewage treatment plant, public municipal project, steel/metallurgy, petroleum/chemical, electric power, papermaking, textile/dyeing, brewing, fine chemical, pharmaceutical, coal mine, food and beverage, electronic/circuit, electroplating/surface engineering, building, energy, desalination, hospitals, civil clean water, ships, boilers, and others.
- Used in water treatment systems such as blast furnaces, continuous casting, hot rolling and water plants in the metallurgical industry.
- Concentration or purification of all solid-containing slurry in coal, chemical, building materials and water supply industries.

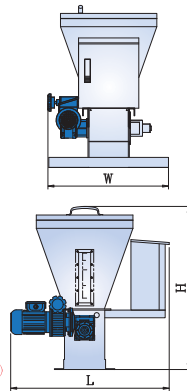
Wastewater (sewage) treatment plant equipment

Powder dissolution automatic processing machine

PL Series-Powder automatic dosing machine



(Generally used at low concentrations 0.05 ~ 0.25 %)



Standard specifications (Contact for customized)

| Model | | PL-55 | PL-110 | PL-200 | PL-350 |
|---|----------------------------------|----------------------------------|--------|---------|-------------|
| Spec. | Powder discharge capacity (L/hr) | 1.7 ~ 8.3 | 5 ~ 25 | 10 ~ 50 | 16.7 ~ 83.3 |
| | (For reference) (kg/hr) | 1 ~ 5 | 3 ~ 15 | 6 ~ 30 | 10 ~ 50 |
| Powder supply tank capacity (L) | | 55 | 110 | 200 | 350 |
| Powder delivery machine (no step change) (HP) | | 1/4 | 1/4 | 1/4 | 1/4 |
| Electric control box | | Basic type | | | |
| Thermal insulation device | | Resistance wire / hot thermostat | | | |
| Machine material | Standard | Stainless steel SUS304 | | | |
| | Optional | Stainless steel SUS316 | | | |
| Reference dimension (mm) | L | 800 | 900 | 900 | 850 |
| | W | 610 | 730 | 730 | 730 |
| | H | 810 | 850 | 1090 | 1360 |
| Reference weight (kgs) | | 65 | 80 | 105 | 150 |

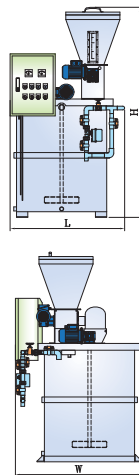
Remarks :

- ▲ The data of the powder discharge amount in the above table is the measured value of the Polymer powder (specific weight 0.6) at 50 Hz.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

PL1 Series - semi-automatic single tank batch type



(Generally used at low concentrations 0.05 ~ 0.25 %)



Standard specifications (Contact for customized)

| Model | | PL1-500 | PL1-1000 |
|---------------------------------|--|---|----------|
| Spec. | | | |
| Solution making volume (L/hr) | | 500 | 1000 |
| Powder supply tank capacity (L) | | 55 | 55 |
| Power usage (HP) | Powder delivery machine (constant speed) | 1/4 | 1/4 |
| | Solution mixer | 1/2 | 3/4 |
| Machine material | Standard | Stainless steel SUS304 | |
| | Optional | Stainless steel SUS316 · Polypropylene P.P. | |
| Reference dimension (mm) | L | 1050 | 1200 |
| | W | 1150 | 1350 |
| | H | 1900 | 2050 |
| Reference weight (kgs) | | 200 | 270 |

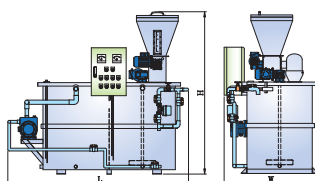
Remarks :

- ▲ Please provide a water supply source of 2.5kg/cm² or more to ensure the brewing effect (the pressure is not up to the water supply pressure pump (optional)).
- ▲ If you need to make concentration more than 0.6%, please contact us.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

PL2 Series-Automatic double tank continuous type



(Generally used at low concentrations 0.05 ~ 0.25 %)



Standard specifications (Contact for customized)

| Model | | PL2-500 | PL2-1000 |
|---------------------------------|----------|---|----------|
| Spec. | | | |
| Solution making volume (L/hr) | | 500 | 1000 |
| Powder supply tank capacity (L) | | 55 | 55 |
| Power usage (HP) | Standard | Powder delivery machine (constant speed) | 1/4 |
| | | Solution mixer | 1/2 |
| | | Solution transfer pump | 1 |
| | Optional | Second tank solution mixer | 1/2 |
| Machine material | Standard | Stainless steel SUS304 | |
| | Optional | Stainless steel SUS316 · Polypropylene P.P. | |
| Referencedimension (mm) | L | 2150 | 2400 |
| | W | 1100 | 1300 |
| | H | 1900 | 2100 |
| Reference weight (kgs) | | 270 | 390 |

Remarks :

- ▲ Please provide a water supply source of 2.5kg/cm² or more to ensure the brewing effect (the pressure is not up to the water supply pressure pump (optional)).
- ▲ If you need to make concentration more than 0.6%, please contact us.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

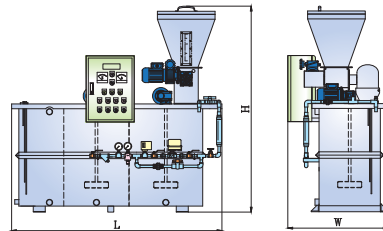
Wastewater (sewage) treatment plant equipment

Powder dissolution automatic processing machine

PL3 Series - Fully automatic triple tank continuous type



(Generally used at low concentrations 0.05 ~ 0.25 %)



Automatic powder feeding vacuum system (optional equipment)

Standard specifications (Contact for customized)

| Spec. | | Model | PL3-500 | PL3-1000 | PL3-1500 | PL3-2000 | PL3-3000 | PL3-4000 | PL3-5000 | PL3-7000 |
|---------------------------------|----------|--|---|----------|----------|----------|----------|----------|----------|----------|
| Solution making volume (L/hr) | | | 500 | 1000 | 1500 | 2000 | 3000 | 4000 | 5000 | 7000 |
| Powder supply tank capacity (L) | | | 55 | 55 | 55 | 110 | 110 | 200 | 200 | 200 |
| Power usage (HP) | Standard | Powder delivery machine (no step change) | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| | | Solution mixer x 2 pcs | 1/4 | 1/2 | 1/2 | 3/4 | 1 | 1 | 1 | 2 |
| | Optional | Third tank solution mixer | 1/4 | 1/4 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 |
| Machine material | | Standard | Stainless steel SUS304 | | | | | | | |
| | | Optional | Stainless steel SUS316 · Polypropylene P.P. | | | | | | | |
| Reference dimension (mm) | | L | 1750 | 2050 | 2300 | 2700 | 3150 | 3250 | 3250 | 4100 |
| | | W | 850 | 950 | 1100 | 1150 | 1350 | 1400 | 1650 | 1800 |
| | | H | 1750 | 2050 | 2050 | 2150 | 2150 | 2640 | 2640 | 2640 |
| Reference weight (kgs) | | | 300 | 430 | 520 | 550 | 700 | 850 | 990 | 1100 |

Remarks :

- ▲ Please provide a water supply source of 2.5kg/cm² or more to ensure the brewing effect (the pressure is not up to the water supply pressure pump (optional)).
- ▲ If you need to make concentration more than 0.6%, please contact us.
- ▲ It can be expanded into four slots (customer can also contact).
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

PL3-M Three tank high concentration series (customized products)



(Special used at medium and high concentration 0.1 ~ 0.5 %)

Standard specifications (Contact for customized)

| Standard Specifications (Contact for customized) | | Model | PL3-M (500M ~ 7000M) |
|--|----------|--|-------------------------|
| Spec. | | | |
| Machine material | Standard | Stainless steel SUS304 | |
| | Optional | Stainless steel SUS316 、 Polypropylene P.P. | |
| Solution mixer (HP) | | 1/4 ~ 2 x 3Pcs | |
| Solution transfer pump (HP) | | Non | |
| Solution making volume (L/hr) | | Related specifications are the same PL3 series | |
| Powder supply tank capacity (L) | | | |
| Powder delivery machine (no step speed) | | | |
| Reference dimension (mm) | | | |
| Reference weight (kgs) | | | |

Remarks :

- ▲ Please provide a water supply source of 2.5kg/cm² or more to ensure the brewing effect (the pressure is not up to the water supply pressure pump (optional)).
- ▲ If you need to make concentration more than 0.6%, please contact us.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- ◎ It is especially suitable for municipal sewage treatment plants, industrial wastewater treatment and other industries that require the use of flocculant solutions.
- ◎ Widely used in sludge dewatering, wastewater treatment and various processes (food, chemical, dyeing and finishing, papermaking, etc.) where the powder is dissolved and added.
- ◎ It is suitable for the dissolution and addition of various dry powders, granules and flocculants and concentrate powders.

Wastewater (sewage) treatment plant equipment

Continuous filter belt sludge dewatering machine

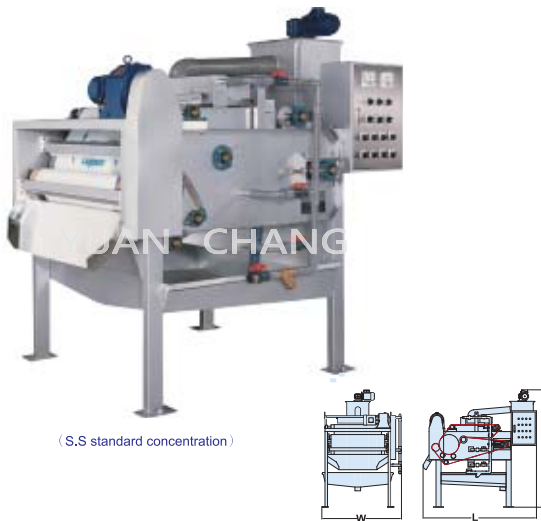
TD1 (Conditioning + single filter belt)



Standard specifications (Contact for customized)

| Model | | TD1-500K | TD1-500 | TD1-750 |
|--|------------------------------|-------------------------------|-----------|-----------|
| Spec. | | | | |
| Capacity (m³/hr) Influent concentration (S.S, 1.5~2.5%) | | 0.1 ~ 0.5 | 0.1 ~ 0.7 | 0.3 ~ 1.1 |
| Absolute dryness D.S. (kg/hr) | | 1.5 ~ 8 | 1.5 ~ 11 | 4.5 ~ 17 |
| Belt width (mm) | | 500 | 500 | 750 |
| Power usage (HP) | Belt driver (constant speed) | 1/4 | 1/2 | 1/2 |
| | Conditioning mixer | 1/4 | 1/4 | 1/4 |
| Machine material | Standard | Stainless steel SUS304 | | |
| | Optional | Stainless steel SUS316 / 316L | | |
| Reference dimension (mm) | L | 1680 | 1830 | 1830 |
| | H | 950 | 1050 | 1300 |
| | W | 1300 | 1650 | 1650 |
| Reference weight (kgs) | | 210 | 300 | 380 |

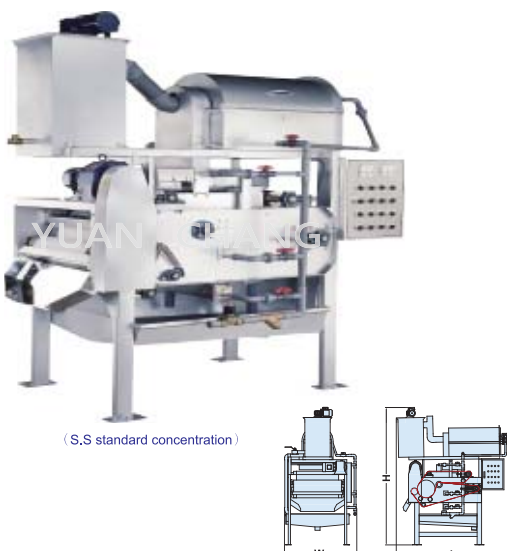
TD2 (Conditioning + double filter belt)



Standard specifications (Contact for customized)

| Model | | TD2-500 | TD2-750 | TD2-1000 |
|--|------------------------------|-------------------------------|-----------|-----------|
| Spec. | | | | |
| Capacity (m³/hr) Influent concentration (S.S, 1.5~2.5%) | | 0.2 ~ 1.4 | 0.5 ~ 2.0 | 0.8 ~ 2.8 |
| Absolute dryness D.S. (kg/hr) | | 3 ~ 21 | 7.5 ~ 30 | 12 ~ 42 |
| Belt width (mm) | | 500 | 750 | 1000 |
| Power usage (HP) | Belt driver (constant speed) | 1/2 | 1/2 | 1/2 |
| | Conditioning mixer | 1/4 | 1/4 | 1/4 |
| Machine material | Standard | Stainless steel SUS304 | | |
| | Optional | Stainless steel SUS316 / 316L | | |
| Reference dimension (mm) | L | 1830 | 1830 | 1900 |
| | H | 1050 | 1300 | 1550 |
| | W | 1900 | 1900 | 1900 |
| Reference weight (kgs) | | 350 | 430 | 480 |

TDR (Conditioning + drum thickening+ double filter belt)



Standard specifications (Contact for customized)

| Model | | TDR-500 | TDR-750 | TDR-1000 |
|--|------------------------------|-------------------------------|-----------|-----------|
| Spec. | | | | |
| Capacity (m³/hr) Influent concentration (S.S, 1.5~2.5%) | | 1.2 ~ 2.5 | 2.0 ~ 3.8 | 2.5 ~ 5.0 |
| Absolute dryness D.S. (kg/hr) | | 18 ~ 37.5 | 30 ~ 57 | 38 ~ 75 |
| Belt width (mm) | | 500 | 750 | 1000 |
| Power usage (HP) | Belt driver (constant speed) | 1/2 | 1/2 | 1/2 |
| | Conditioning mixer | 1/4 | 1/4 | 1/4 |
| | Drum thickener | 1/4 | 1/4 | 1/4 |
| Machine material | Standard | Stainless steel SUS304 | | |
| | Optional | Stainless steel SUS316 / 316L | | |
| Reference dimension (mm) | L | 1900 | 2050 | 2300 |
| | H | 1050 | 1300 | 1550 |
| | W | 2420 | 2420 | 2420 |
| Reference weight (kgs) | | 430 | 520 | 610 |

Remarks:

- ▲ The amount of treatment, the amount of dryness, and the moisture content of the cake (between 72 ~ 85%) depend on the type, concentration and characteristics of the sludge.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.
- ▲ The washing pump (optional) needs to provide the best water pressure between 4.5 and 6.5kg/cm².

Wastewater (sewage) treatment plant equipment

Continuous filter belt sludge dewatering machine

TA (Conditioning + drum thickening+ double filter belt)

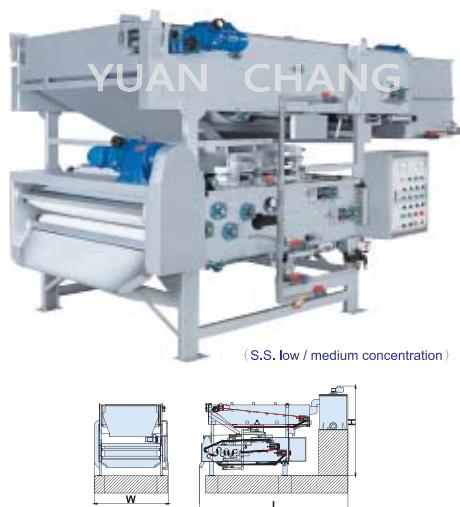


(S.S standard concentration)

Standard specifications (Contact for customized)

| Spec. | Model | TA-500 | TA-750 | TA-1000 | TA-1250 | TA-1500 | TA-1500L | TA-2000 |
|--|------------------------------|-------------------------------|-----------|-----------|------------|------------|-----------|-------------|
| Capacity (m³/hr) | | 2.0 ~ 3.6 | 3.0 ~ 5.5 | 4.0 ~ 7.7 | 5.5 ~ 10.5 | 7.0 ~ 12.5 | 9.5 ~ 17 | 13.5 ~ 24.5 |
| Influent concentration (S.S. 1.5~2.5%) | | | | | | | | |
| Absolute dryness D.S. (kg/hr) | | 30 ~ 54 | 45 ~ 83 | 60 ~ 116 | 83 ~ 158 | 105 ~ 188 | 143 ~ 255 | 203 ~ 368 |
| Belt width (mm) | | 500 | 750 | 1000 | 1250 | 1500 | 1500 | 2000 |
| Power usage (HP) | Belt driver (no step change) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 |
| | Conditioning mixer | 1/4 | 1/4 | 1/4 | 1/2 | 1/2 | 3/4 | 3/4 |
| | Drum thickener | 1/4 | 1/4 | 1/4 | 1/4 | 1/2 | 1/2 | 3/4 |
| Machine material | Standard | Stainless steel SUS304 | | | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | | | |
| Reference dimension (mm) | L | 2150 | 2250 | 2400 | 2400 | 2750 | 2860 | 3000 |
| | H | 1050 | 1300 | 1550 | 1800 | 2050 | 2130 | 2630 |
| | W | 2400 | 2400 | 2500 | 2600 | 2700 | 2750 | 2650 |
| Reference weight (kgs) | | 580 | 700 | 850 | 960 | 1100 | 1350 | 1850 |

TA3 (Conditioning + gravity filter belt thickening + double filter belt) → triple filter belt



(S.S. low / medium concentration)

Standard specifications (Contact for customized)

| Spec. | Model | TA3-750 | TA3-1000 | TA3-1250 | TA3-1500 | TA3-1500L | TA3-2000 |
|--------------------------------------|---------------------------------|-------------------------------|------------|-----------|-----------|-----------|-----------|
| Low concentration (S.S. 0.4~0.8%) | Capacity (m³/hr) | 5.5 ~ 9.0 | 8.5 ~ 12.5 | 12 ~ 17 | 13.5 ~ 20 | 19 ~ 27.5 | 26 ~ 39 |
| | Absolute dryness D.S. (kg/hr) | 22 ~ 54 | 34 ~ 75 | 48 ~ 102 | 54 ~ 120 | 76 ~ 165 | 104 ~ 234 |
| Medium concentration (S.S. 0.8~1.5%) | Capacity (m³/hr) | 4.5 ~ 7.0 | 7.0 ~ 10 | 10 ~ 13.5 | 12 ~ 16.5 | 16 ~ 22 | 22 ~ 32 |
| | Absolute dryness D.S. (kg/hr) | 36 ~ 83 | 56 ~ 116 | 80 ~ 158 | 96 ~ 188 | 128 ~ 255 | 176 ~ 368 |
| Belt width (mm) | | 750 | 1000 | 1250 | 1500 | 1500 | 2000 |
| Power usage (HP) | Belt driver (no step change) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 |
| | Conditioning mixer | 1/2 | 1/2 | 3/4 | 3/4 | 1/2 | 1/2 |
| | Belt thickener (no step change) | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 |
| Machine material | Standard | Stainless steel SUS304 | | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | | |
| Reference dimension (mm) | L | 3650 | 3750 | 3800 | 3800 | 4300 | 4400 |
| | H | 1400 | 1650 | 1900 | 2150 | 2150 | 2650 |
| | W | 2600 | 2600 | 2650 | 2650 | 2600 | 2650 |
| Reference weight (kgs) | | 1010 | 1180 | 1450 | 1750 | 2140 | 2600 |

Remarks:

- ▲ TA-2000 & TA3 full range of models are not equipped with the total drain pan under the filtrate.
- ▲ TA3-1500L (including) and above models with static mixing tube is standard.
- ▲ The amount of treatment, absolute dryness, and moisture content of sludge cake (about 65 ~ 85%) all depend on the type, concentration and characteristics of sludge.
- ▲ Customs are accepted outside the specifications. The company reserves the right to change the design.
- ▲ Please request the actual installation dimensions before ordering.
- ▲ The washing pump (optional) needs to provide the best water pressure between 4.5 ~ 6.5kg / cm².

The latest ultra-high saving water high-pressure reciprocating cleaning system device (optional equipment), the water saving rate is 55~72%, completely solve the traditional high cleaning water consumption in the past.

Filter belt cleaning water comparison table

| Traditional low pressure fixed type (Excluding drum thickening or gravity thickening water) | | | | | New high pressure reciprocating (Excluding drum thickening or gravity thickening water) | | | | |
|---|------------------------|-------------------------------|-------------------|------------------|---|-------------------------------|---------------------|------------------|-----------------------|
| Belt width (mm) | Nozzle type (Fan type) | Clean water pressure (kg/cm²) | Nozzle number (s) | Capacity (m³/hr) | Nozzle type (Needle type) | Clean water pressure (kg/cm²) | Nozzle number (pcs) | Capacity (m³/hr) | Saving efficiency (%) |
| 500 | 65°-30B | 5 | 12 | 1.86 | 0°-43# | 20 | 4 | 0.85 | 55 |
| 750 | 65°-30B | 5 | 18 | 2.79 | 0°-43# | 20 | 4 | 0.85 | 70 |
| 1000 | 65°-30B | 5 | 25 | 3.87 | 0°-43# | 20 | 8 | 1.70 | 57 |
| 1250 | 65°-30B | 5 | 31 | 4.80 | 0°-43# | 20 | 8 | 1.70 | 65 |
| 1500 | 65°-30B | 5 | 38 | 5.88 | 0°-43# | 20 | 8 | 1.70 | 72 |
| 2000 | 65°-30B | 5 | 51 | 7.89 | 0°-43# | 20 | 12 | 2.55 | 68 |
| 2500 | 65°-30B | 5 | 64 | 9.91 | 0°-43# | 20 | 16 | 3.40 | 66 |

- ▲ The water consumption of the nozzle can be adjusted according to the treatment of different types of sludge.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

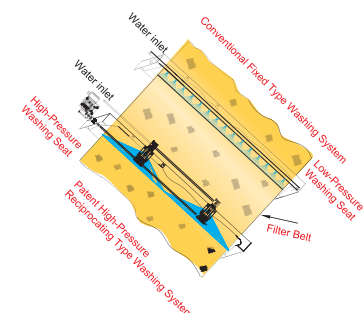
Patents

- A. The latest ultra-high water-saving high-pressure reciprocating cleaning system device (optional)
- patent certificate number Taiwan No. M276045 China No. ZL95215797.7 Germany Nr. 202005006697.4



- B. Drum screen concentrating system
- patent certificate number Taiwan No. 119141; M348113 China No. ZL96249032.6

- C. Falling mud direction adjustment plate
- patent certificate number Taiwan No. 126352



▼ Ticked pictures



- ▲ Using a high-pressure pump to spray the water column, the filter belt is reciprocally sprayed back and forth to ensure the function of maintaining the water permeability of the filter belt and its life, and reducing the moisture content of the mud cake and increasing the treatment efficiency.
- ▲ Completely solve the traditional low-pressure fixed high-cleaning water rickets in the past, and save a considerable amount of subsequent reflow treatment to increase costs. (Please refer to the comparison table above)
- ▲ In the reciprocating system structure, the oil lubricator is installed to ensure the service life of the system.

- ▲ After sludge conditioning feathers, a large amount of surface free water, after screening and separation, S.S concentration can be increased to 4 to 9% (example), to achieve concentration and decrement function.
- ▲ The structure of the mud group after being sieved by the drum is stable, and there is no overflow side overflow condition, which can reduce the water permeability of the filter belt, increase the treatment volume and reduce the moisture content of the mud cake.

Wastewater (sewage) treatment plant equipment

Continuous filter belt sludge dewatering machine

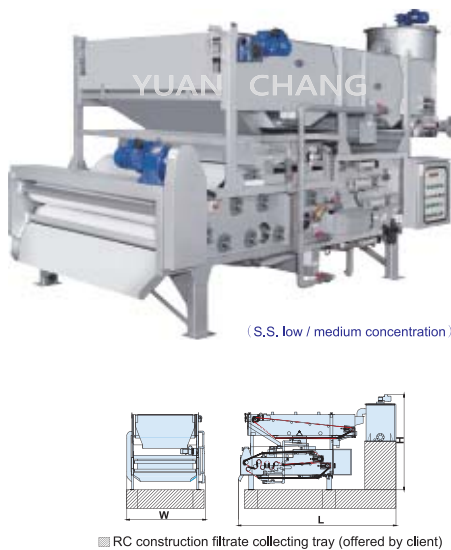
TB (Conditioning + drum thickening + double filter belt)



Standard specifications (Contact for customized)

| Spec. | Model | TB-500 | TB-750 | TB-1000 | TB-1250 | TB-1500 | TB-1500L | TB-2000 |
|--|------------------------------|-------------------------------|-----------|------------|------------|-----------|-----------|-----------|
| Capacity (m³/hr) | | 3.0 ~ 5.2 | 4.5 ~ 7.5 | 6.5 ~ 10.5 | 7.5 ~ 12.5 | 9.5 ~ 16 | 12 ~ 20.5 | 18 ~ 30 |
| Influent concentration (S.S. 1.5~2.5%) | | | | | | | | |
| Absolute dryness D.S. (kg/hr) | | 45 ~ 78 | 68 ~ 113 | 98 ~ 158 | 113 ~ 188 | 143 ~ 240 | 180 ~ 308 | 270 ~ 450 |
| Belt width (mm) | | 500 | 750 | 1000 | 1250 | 1500 | 1500 | 2000 |
| Power usage (HP) | Belt driver (no step change) | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1 | 1 |
| | Conditioning mixer | 1/4 | 1/4 | 1/2 | 1/2 | 3/4 | 3/4 | 1 |
| | Drum thickener | 1/4 | 1/4 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 |
| Machine material | Standard | Stainless steel SUS304 | | | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | | | |
| Reference dimension (mm) | L | 2600 | 2600 | 2900 | 2900 | 2900 | 3200 | 3450 |
| | H | 1100 | 1300 | 1550 | 1850 | 2150 | 2150 | 2750 |
| | W | 2500 | 2600 | 2600 | 2700 | 2800 | 2900 | 3200 |
| Reference weight (kgs) | | 780 | 970 | 1150 | 1320 | 1550 | 1750 | 2650 |

TB3 (Conditioning + gravity filter belt thickening + double filter belt) → triple filter belt



Standard specifications (Contact for customized)

| Spec. | Model | TB3-750 | TB3-1000 | TB3-1250 | TB3-1500 | TB3-1500L | TB3-2000 |
|--------------------------------------|---------------------------------|-------------------------------|-----------|-------------|-----------|-----------|-----------|
| Low concentration (S.S. 0.4~0.8%) | Capacity (m³/hr) | 9.0 ~ 12 | 13.5 ~ 17 | 17 ~ 20 | 21 ~ 26 | 25 ~ 33 | 35 ~ 45 |
| | Absolute dryness D.S. (kg/hr) | 35 ~ 70 | 55 ~ 100 | 68 ~ 120 | 85 ~ 155 | 100 ~ 198 | 140 ~ 270 |
| Medium concentration (S.S. 0.8~1.5%) | Capacity (m³/hr) | 7 ~ 10 | 10 ~ 13.5 | 12.5 ~ 16.5 | 16 ~ 20 | 20.5 ~ 25 | 30 ~ 35 |
| | Absolute dryness D.S. (kg/hr) | 70 ~ 113 | 100 ~ 160 | 110 ~ 188 | 140 ~ 240 | 160 ~ 300 | 240 ~ 450 |
| Belt width (mm) | | 750 | 1000 | 1250 | 1500 | 1500 | 2000 |
| Power usage (HP) | Belt driver (no step change) | 1/2 | 1/2 | 1/2 | 1/2 | 1 | 1 |
| | Conditioning mixer | 1/4 | 1/4 | 1/4 | 1/2 | 1/2 | 3/4 |
| | Belt thickener (no step change) | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 |
| Machine material | Standard | Stainless steel SUS304 | | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | | |
| Reference dimension (mm) | L | 4050 | 4250 | 4250 | 4300 | 5100 | 5150 |
| | H | 1370 | 1620 | 1900 | 2150 | 2150 | 2700 |
| | W | 2450 | 2400 | 2550 | 2550 | 2650 | 2800 |
| Reference weight (kgs) | | 1120 | 1300 | 1540 | 1720 | 2150 | 2900 |

Remarks:

▲ TB-2000 & TB3 full range of models are not equipped with the total drain pan under the filtrate.

▲ TB3 full range of models with static mixing tube is standard.

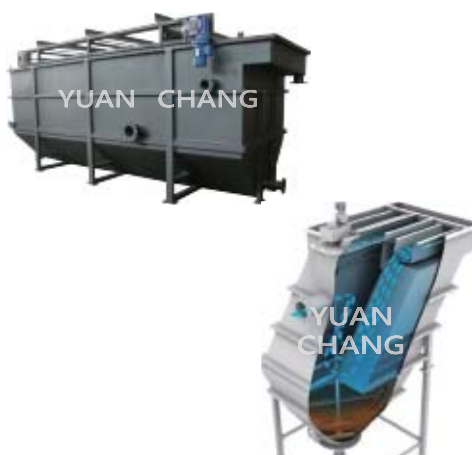
▲ The amount of treatment, the amount of dryness, and the moisture content of the cake (between 65 ~ 85%) depend on the type, concentration and characteristics of the sludge.

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

▲ The washing pump (optional) needs to provide the best water pressure between 4.5 and 6.5kg/cm2.

Cleaning water filtration recycling system(optional)



Vertical fiber filter belt (optional)

- ◆ The coarse mesh base fabric has a high opening ratio and high water permeability.
- ◆ The high friction of the vertical fiber can effectively block the sludge and accumulate sludge and prevent side leakage.
- ◆ The dewatering effect of refractory oily sludge, viscous sludge and activated sludge is remarkable.



Usages

- ① Dewatering treatment of various industrial wastewater sludges.
- ② Slaughtering and animal husbandry sludge dewatering treatment.
- ③ Dewatering treatment of sludge in urban sewers, water and fertilizer, and water purification plants.
- ④ Solid/liquid separation and dehydration treatment in food, chemical, mining and various industrial processes.



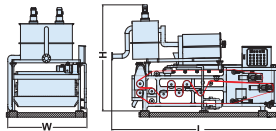
Wastewater (sewage) treatment plant equipment

Filter belt sludge dewatering machine

TE (Conditioning + drum concentration + double filter belt)



(S.S. standard concentration)



RC construction filtrate collecting tray (offered by client)

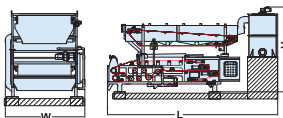
Standard specifications (Contact for customized)

| Spec. | Model | TE-1000 | TE-1250 | TE-1500 | TE-2000 | TE-2000L | TE-2500 | TE-2500L |
|--|------------------------------|-------------------------------|-------------|-------------|-----------|-----------|-----------|-----------|
| Capacity (m³/hr) | | 9.5 ~ 15.5 | 12.5 ~ 20.5 | 18.5 ~ 30.5 | 24.5 ~ 41 | 30 ~ 50 | 32.5 ~ 54 | 38.5 ~ 64 |
| Influent concentration (S.S. 1.5~2.5%) | | | | | | | | |
| Absolute dryness D.S. (kg/hr) | | 143 ~ 233 | 188 ~ 308 | 278 ~ 458 | 368 ~ 615 | 450 ~ 750 | 488 ~ 810 | 578 ~ 960 |
| Belt width (mm) | | 1000 | 1250 | 1500 | 2000 | 2000 | 2500 | 2500 |
| Power usage (HP) | Belt driver (no step change) | 1/2 | 1/2 | 1 | 1 | 2 | 2 | 3 |
| | Conditioning mixer | 3/4 | 3/4 | 1 | 1 | 3/4x2 | 3/4x2 | 1x2 |
| | Drum thickener | 1/2 | 3/4 | 3/4 | 3/4 | 3/4x2 | 3/4x2 | 3/4x2 |
| Machine material | Standard | Stainless steel SUS304 | | | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | | | |
| Reference dimension (mm) | L | 3350 | 3500 | 4250 | 4600 | 5400 | 4700 | 5500 |
| | H | 1700 | 1950 | 2300 | 2800 | 2850 | 3350 | 3350 |
| | W | 2700 | 2800 | 3200 | 3300 | 3450 | 3300 | 3750 |
| Reference weight (kgs) | | 1550 | 1620 | 2450 | 2950 | 3900 | 3800 | 4300 |

TE3 (Conditioning + gravity filter belt thickening + double filter belt) → triple filter belt



(S.S. low / medium concentration)



RC construction filtrate collecting tray (offered by client)

Standard specifications (Contact for customized)

| Spec. | Model | TE3-1000 | TE3-1250 | TE3-1500 | TE3-2000 | TE3-2000L | TE3-2500 | TE3-2500L |
|--------------------------------------|---------------------------------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Low concentration (S.S. 0.4~0.8%) | Capacity (m³/hr) | 19 ~ 25 | 26 ~ 35 | 38 ~ 50 | 50 ~ 65 | 60 ~ 80 | 65 ~ 85 | 75 ~ 100 |
| | Absolute dryness D.S.(kg/hr) | 76 ~ 150 | 104 ~ 210 | 152 ~ 300 | 200 ~ 390 | 240 ~ 480 | 260 ~ 510 | 300 ~ 600 |
| Medium concentration (S.S. 0.8~1.5%) | Capacity (m³/hr) | 15.5 ~ 19 | 20.5 ~ 26 | 30.5 ~ 38 | 41 ~ 50 | 50 ~ 60 | 54 ~ 65 | 64 ~ 75 |
| | Absolute dryness D.S.(kg/hr) | 124 ~ 233 | 164 ~ 308 | 244 ~ 458 | 328 ~ 615 | 400 ~ 750 | 432 ~ 810 | 512 ~ 960 |
| Belt width (mm) | | 1000 | 1250 | 1500 | 2000 | 2000 | 2500 | 2500 |
| Power usage (HP) | Belt driver (no step change) | 1/2 | 1/2 | 1 | 1 | 2 | 2 | 3 |
| | Conditioning mixer | 1/4 | 1/2 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| | Belt thickener (no step change) | 1/2 | 1/2 | 3/4 | 3/4 | 1 | 1 | 1 |
| Machine material | Standard | Stainless steel SUS304 | | | | | | |
| | Optional | Stainless steel SUS316 / 316L | | | | | | |
| Reference dimension (mm) | L | 4800 | 4900 | 5800 | 5900 | 7000 | 6300 | 7450 |
| | H | 1700 | 1950 | 2250 | 2800 | 3000 | 3350 | 3350 |
| | W | 2800 | 2900 | 3100 | 3100 | 3500 | 3350 | 3650 |
| Reference weight (kgs) | | 1750 | 2050 | 2800 | 3010 | 4300 | 4100 | 4700 |

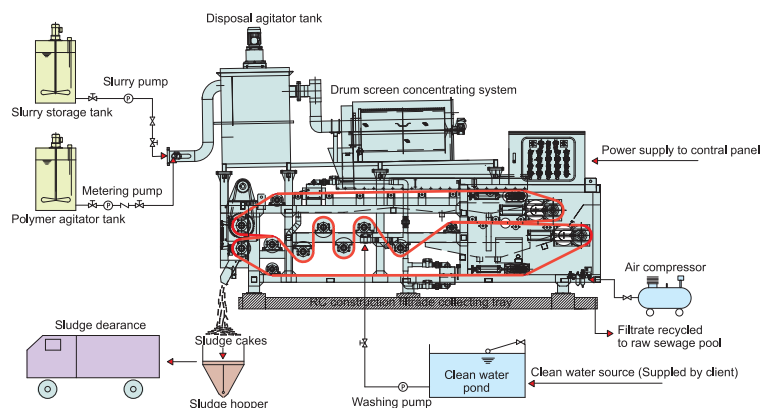
Remarks:

- ▲ TE-1500 (including) and above models, TE3 full range of models are not equipped with the total drain pan under the filtrate.
- ▲ TE3 full range of models with static mixing tube is standard.
- ▲ The amount of treatment, the amount of dryness, and the moisture content of the cake (between 60 ~ 84%) depend on the type, concentration and characteristics of the sludge.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.
- ▲ The washing pump (optional) needs to provide the best water pressure between 4.5 ~ 6.5kg / cm²

Sludge dewatering examples



Peripheral accessory equipment diagram



Wastewater (sewage) treatment plant equipment

Chamber plate / membrane type filter press dewatering machine



YUAN CHANG FILTER PRESS APPLICATIONS FOR MANUFACTURING PROCESS AND ENVIRONMENTAL PROTECTION FOR WASTEWATER AND SLUDGE TREATMENT

Food industrial process

Vegetable oil, margarine, cooking oil, tea oil, sesame oil, white oil, glycerine, palm oil, palm kernel oil, glucose, starch sugar, vegetable sweet prime, maltose, stevioside, beet sugar, cane sugar, raw sugar, finished syrup, starch, tapioca, corn flour (syrup), rice flour, agar, agar gelatin, seaweed, carrageenan, pectin fruit juice, soy milk, brewer's yeast, yeast, liquid sauce, wine, yellow wine, whiskey, white wine, vinasse, wort, fruit juices, beverages, citric acid, vegetable protein, protein, spices, MSG, concentrated soup, oral.

Pharmaceuticals (medicine) industrial process

Antibiotics, antibiotics (chlortetracycline, erythromycin, spiramycin, jinggangmeisu, midcamycin, tetracycline, berberine, oxytetracycline), calcium phytate, pharmaceutical intermediates, Chinese medicine, raw materials medicine, intermediates, pesticides, inositol, growth derives yarn, muscle growth hormone, organic phosphorus, glucoamylase, glycosylated elements, enzyme preparation, amino acids, pig blood, blood products.

Chemical industrial process

Paints, pigments, dyes, white smoke, caustic soda, soda ash, chlor-alkali, salt alkali, chlor-alkali salt mud, potassium chlorate, purifying agent (alkali sulfate, PAC, basic aluminum chloride), ferrous sulfate, hydrogen iron, saponin, manganese sulfate, graphite, bleaching powder, sodium hydrosulfite, fluorescent powder, lithopone, titanium white, sodium hydroxide, magnesium hydroxide, chromium oxide, sodium chloride, cyanide, aluminum phosphide, iron hydroxide, sodium sulfate, manganese sulfate, nickel sulfate, electrolytic zinc, copper silicate, zinc oxide, manganese oxide, arsenide, potassium chloride, calcium hypochlorite, electrolytic manganese, sodium carbonate, barium chloride, nickel, zinc, manganese, mercury, cobalt, uranium, iron sands, industrial sand, gold mine, cutting and grinding fluid recovery, recycling waste acid, white carbon, calcium fluoride, calcium carbonate, chemical fillers, additives, catalysts, soap, carbide slag, stearin, rayon viscose, white clay, green clay, amine salts, salt mud.

Sludge waste liquid (environmental protection sewage treatment)

Municipal domestic wastewater, industrial wastewater, water plant wastewater, semiconductors wastewater, LED LCD panel wastewater, solar panels wastewater, printing and dyeing sewage, leather sewage, mining wastewater, smelting sewage, brewing sewage, pharmaceutical sewage, plating sewage, electrolysis wastewater, iron and steel wastewater, metal processing sewage, dedusting wastewater, chemical industry sewage, paper sewage, stone sewage, water purification plant, creating mud, rivers, ports lakes and reservoirs silt ... and sewage treatments of environmental industries.

Clay (porcelain), stone industrial process

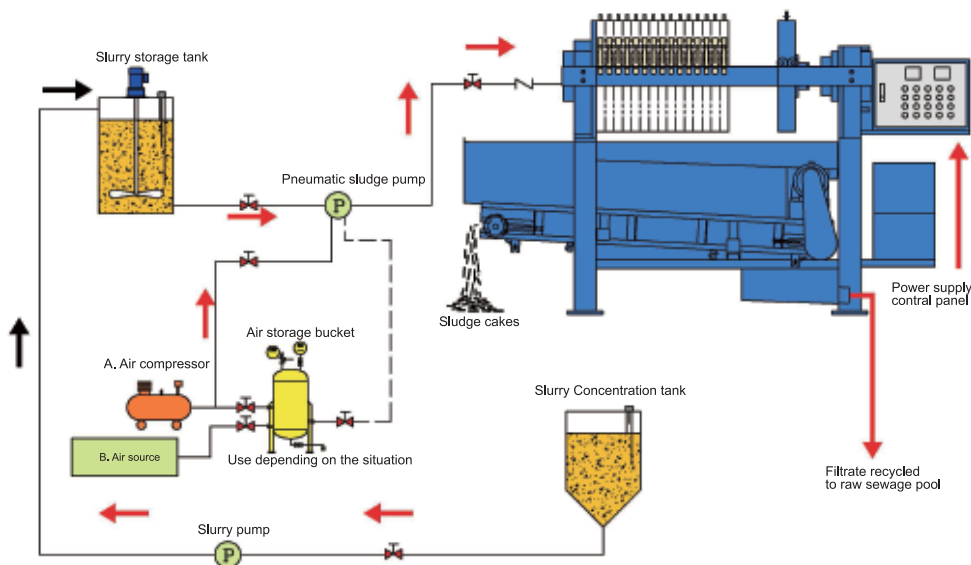
Bentonite, electronic ceramics earth, ceramics, kaolin, activated clay, pottery clay, clay, acid clay, rotary kiln mud, granite powder, gypsum.

Metallurgical, mining and petroleum (refining) industrial process

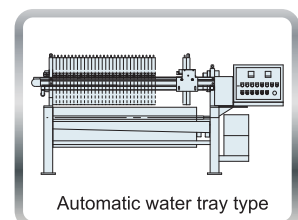
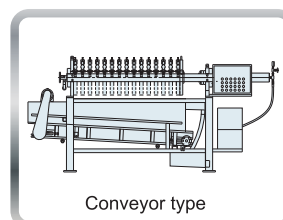
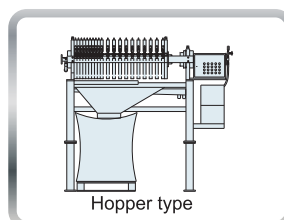
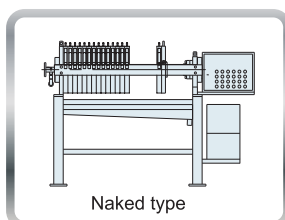
Coal, tail coal, fine coal, gold mine, silver mine, copper mine, iron mine, zinc mine, rare earth and mineral powder, light oil, mechanical oil and other oil dewatering.



Sludge treatment process reference chart



Graphical description of various blanking undertake types of standard machine



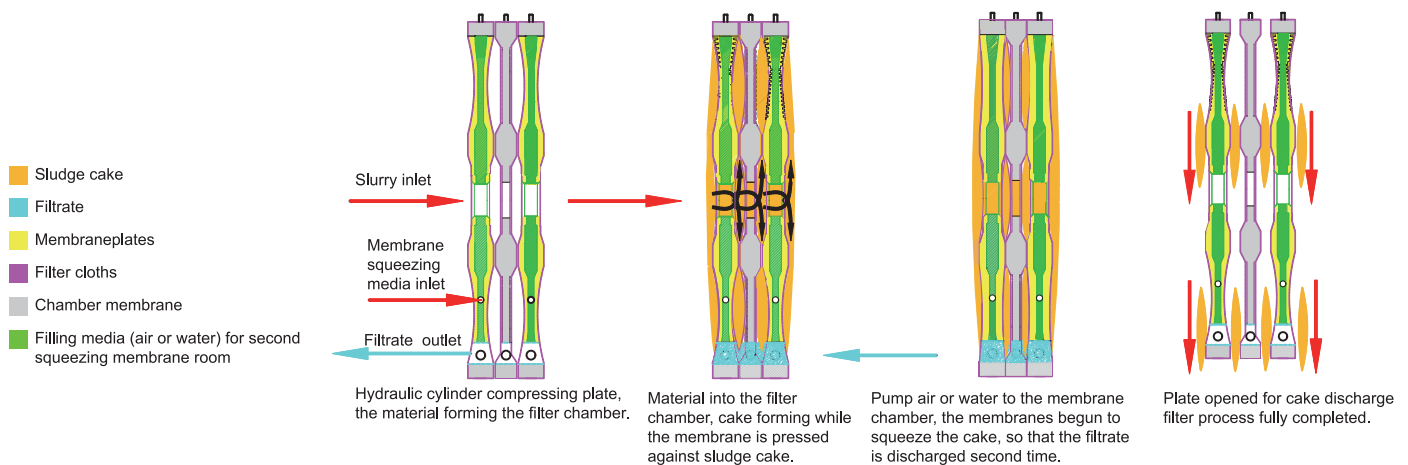
Wastewater (sewage) treatment plant equipment

Chamber plate / membrane type filter press dewatering machine

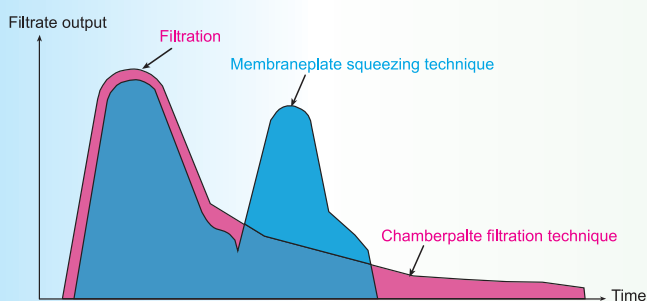
Comparison table of filter press select model type

| Type | A. Chamber Plate Type filter press | B. Membrane Plate Type filter press |
|--|------------------------------------|-------------------------------------|
| Operation cycle time | Long | Short |
| Water content ratio (Depends on the materials species and feature) | 25 ~ 77% | Approximately 18 ~ 72% |
| Press type | One time press dehydration | Two-stage press dehydration |
| Feeding pressure (Depands on type) | 4 ~ 14 kg/cm ² | 5 ~ 14 kg/cm ² |
| 2 nd time press type | None | 6 ~ 16 kg/cm ² |
| Charge of sludge treatment | Mid | Low |
| Labor automation | Depands on type | Depands on type |
| Charge of power (Depands on type) | Low | Mid |
| Charge of equipment (Depands on type) | Low | Mid |
| Operating cost (Depands on type) | Low | Low |
| Maintenance fee (Depands on type) | Low | Low |
| Occupied area (Depands on type) | Mid | Mid |

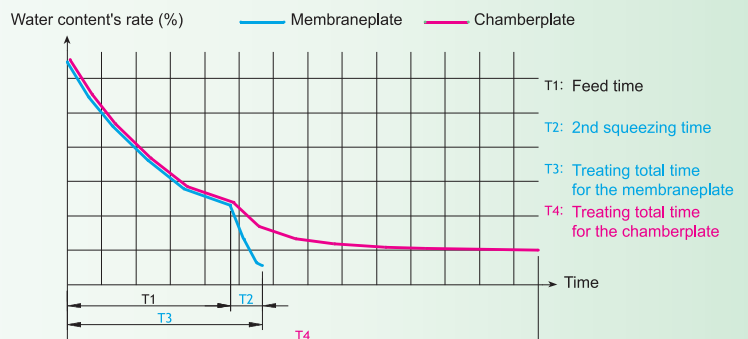
Squeezing process for crossover membrane plates



The comparison diagram of timeliness of filtrate output



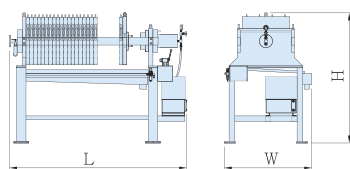
The comparison diagram of timeliness of water content's rate



Wastewater (sewage) treatment plant equipment

Chamber plate type filter press dewatering machine

TC0 Semi-automatic type (Manual open plates) series



(Standard type : Naked type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Naked type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) | Filter plate lock type |
|---------------|--|----------------------------------|--|---|---------------------------|-------------------------------------|
| TC0 - 30 - 5 | 300 x 5 | 0.5 | 4 | 1300x760x1330 | 280 | pneumatic hydraulic boosting system |
| - 10 | x 10 | 1.2 | 10 | 1500x760x1330 | 320 | |
| - 15 | x 15 | 1.8 | 15 | 1700x760x1330 | 360 | |
| - 20 | x 20 | 2.5 | 21 | 1900x760x1330 | 390 | |
| TC0 - 50 - 10 | 500 x 10 | 4.1 | 46 | 1890x890x1520 | 670 | |
| - 15 | x 15 | 6.3 | 72 | 2140x890x1520 | 750 | |
| - 20 | x 20 | 8.6 | 98 | 2390x890x1520 | 830 | |
| - 30 | x 30 | 13.1 | 150 | 2890x890x1520 | 980 | |
| TC0 - 63 - 15 | 630 x 15 | 9.4 | 111 | 2150x1190x1750 | 1180 | |
| - 20 | x 20 | 12.7 | 150 | 2400x1190x1750 | 1280 | |
| - 30 | x 30 | 19.4 | 229 | 2900x1190x1750 | 1480 | |
| - 40 | x 40 | 26.1 | 308 | 3600x1190x1750 | 1680 | |

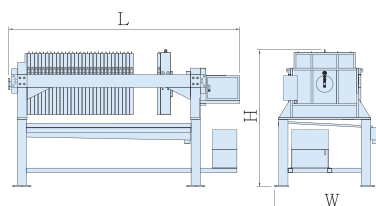
Remarks :

▲ The hopper type is optional.

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

TC1 Semi-automatic type (Manual open plates) series



(Standard type : Naked type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Naked type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|---------------|--|----------------------------------|--|---|---------------------------|
| TC1 - 50 - 10 | 500 x 10 | 4.1 | 46 | 2020x890x1520 | 790 |
| - 15 | x 15 | 6.3 | 72 | 2270x890x1520 | 880 |
| - 20 | x 20 | 8.6 | 98 | 2520x890x1520 | 940 |
| - 30 | x 30 | 13.1 | 150 | 3020x890x1520 | 1030 |
| TC1 - 63 - 15 | 630 x 15 | 9.4 | 111 | 2300x1190x1750 | 1320 |
| - 20 | x 20 | 12.7 | 150 | 2550x1190x1750 | 1460 |
| - 30 | x 30 | 19.4 | 229 | 3050x1190x1750 | 1640 |
| - 40 | x 40 | 26.1 | 308 | 3670x1190x1750 | 1880 |
| - 50 | x 50 | 32.8 | 387 | 4170x1190x1750 | 2080 |
| TC1 - 80 - 30 | 800 x 30 | 31.0 | 435 | 3710x1460x2130 | 2780 |
| - 40 | x 40 | 41.7 | 585 | 4430x1460x2130 | 3130 |
| - 50 | x 50 | 52.4 | 735 | 5030x1460x2130 | 3470 |
| TC1-100 - 40 | 1000 x 40 | 65.9 | 944 | 4520x1740x2260 | 4820 |
| - 50 | x 50 | 82.8 | 1186 | 5120x1740x2260 | 5350 |
| - 60 | x 60 | 99.7 | 1428 | 5740x1740x2260 | 5880 |
| TC1-120 - 50 | 1200 x 50 | 118.6 | 1906 | 6100x2180x2930 | 8850 |
| - 60 | x 60 | 142.8 | 2295 | 6850x2180x2930 | 9800 |
| - 70 | x 70 | 167.0 | 2684 | 7550x2180x2930 | 10800 |

Remarks :

▲ The hopper type is optional.

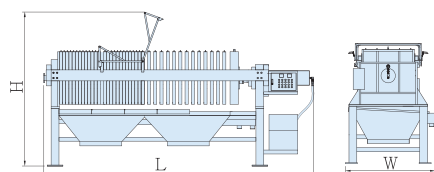
▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

Wastewater (sewage) treatment plant equipment

Chamber plate type filter press dewatering machine

TC2-N Semi-automatic type (Plow type manual multi-time and segments plate-open)



(Standard type : Hopper type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber plate type) (mm / piece) | Filter area (M²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Hopper type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|---------------------|--|---------------------|--|--|---------------------------|
| TC2 - 50 - 15 - 2N | 500 x 15 | 6.3 | 72 | 2650x890x2020 | 860 |
| - 20 - 3N | x 20 | 8.6 | 98 | 2900x890x2020 | 950 |
| - 30 - 3N | x 30 | 13.1 | 150 | 3900x890x2120 | 1120 |
| - 40 - 4N | x 40 | 17.6 | 200 | 4420x920x2120 | 1240 |
| TC2 - 63 - 15 - 2N | 630 x 15 | 9.4 | 111 | 2650x1190x2100 | 1430 |
| - 20 - 3N | x 20 | 12.7 | 150 | 2900x1190x2100 | 1540 |
| - 30 - 3N | x 30 | 19.4 | 229 | 3900x1190x2150 | 1790 |
| - 40 - 4N | x 40 | 26.1 | 308 | 4410x1190x2150 | 2040 |
| - 50 - 5N | x 50 | 32.8 | 387 | 4990x1190x2150 | 2300 |
| TC2 - 80 - 20 - 3N | 800 x 20 | 20.3 | 285 | 3610x1460x2520 | 2670 |
| - 30 - 3N | x 30 | 31.0 | 435 | 4810x1460x2700 | 3130 |
| - 40 - 4N | x 40 | 41.7 | 585 | 5430x1460x2700 | 3410 |
| - 50 - 5N | x 50 | 52.4 | 735 | 6130x1460x2700 | 3740 |
| TC2 - 100 - 30 - 3N | 1000 x 30 | 49.0 | 702 | 4950x1740x2750 | 4990 |
| - 40 - 4N | x 40 | 65.9 | 944 | 5550x1740x2750 | 5450 |
| - 50 - 5N | x 50 | 82.8 | 1186 | 6280x1740x2750 | 5990 |
| - 60 - 6N | x 60 | 99.7 | 1428 | 6900x1740x2750 | 6490 |

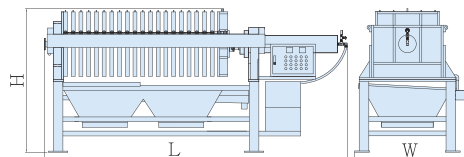
Remarks :

▲ The conveyor type , Auto filtrate guard type is optional.

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

TC2N Automatic type (Chain type one time and entire section plate-open) series



(Standard type: Hopper type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber plate type) (mm / piece) | Filter area (M²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Hopper type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-----------------|--|---------------------|--|--|---------------------------|
| TC2 - 50 - 10N | 500 x 10 | 4.1 | 46 | 2700x890x1620 | 820 |
| - 15N | x 15 | 6.3 | 72 | 3650x890x1620 | 920 |
| TC2 - 63 - 10N | 630 x 10 | 6.0 | 71 | 2700x1190x1750 | 1380 |
| - 15N | x 15 | 9.4 | 111 | 3650x1190x1750 | 1500 |
| - 20N | x 20 | 12.7 | 150 | 4650x1190x1750 | 1680 |
| TC2 - 80 - 15N | 800 x 15 | 15.0 | 210 | 4500x1460x2150 | 2960 |
| - 20N | x 20 | 20.3 | 285 | 5830x1460x2150 | 3300 |
| TC2 - 100 - 15N | 1000 x 15 | 23.7 | 339 | 4650x1740x2260 | 4050 |
| - 20N | x 20 | 32.1 | 460 | 5980x1740x2260 | 4550 |

Remarks :

▲ The conveyor type , Auto filtrate guard type is optional.

▲ Another low pressure reverse washing filter cloth function (model name +R)(optional).

▲ Another 16kg/cm² class, model front +H (optional).

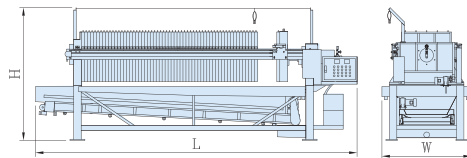
▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

Wastewater (sewage) treatment plant equipment

Chamber plate type filter press dewatering machine

TC2A Automatic type (Plate-open one by one) (Can be upgraded to fully automatic mode) series



(Standard type : Conveyor type)

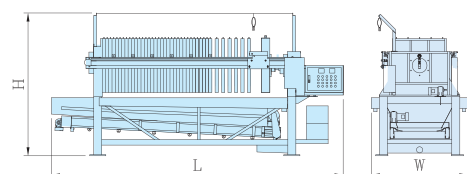
Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Conveyor type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-----------------|--|----------------------------------|--|--|---------------------------|
| TC2 - 63 - 30A | 630 x 30 | 19.4 | 229 | 4100x1250x2100 | 1820 |
| - 40A | x 40 | 26.1 | 308 | 4700x1250x2100 | 2040 |
| - 50A | x 50 | 32.8 | 387 | 5200x1250x2100 | 2260 |
| TC2 - 80 - 30A | 800 x 30 | 31.0 | 435 | 4500x1520x2350 | 3200 |
| - 40A | x 40 | 41.7 | 585 | 5200x1520x2350 | 3820 |
| - 50A | x 50 | 52.4 | 735 | 5800x1520x2350 | 4450 |
| TC2 - 100 - 40A | 1000 x 40 | 65.9 | 944 | 5450x1850x2650 | 4920 |
| - 50A | x 50 | 82.8 | 1186 | 6050x1850x2650 | 5380 |
| - 60A | x 60 | 99.7 | 1428 | 6650x1850x2650 | 5850 |
| - 70A | x 70 | 116.6 | 1670 | 7250x1850x2650 | 6430 |
| TC2 - 120 - 40A | 1200 x 40 | 94.4 | 1517 | 6080x2300x3400 | 8700 |
| - 50A | x 50 | 118.6 | 1906 | 6780x2300x3400 | 9700 |
| - 60A | x 60 | 142.8 | 2295 | 7500x2300x3400 | 10700 |
| - 70A | x 70 | 167.0 | 2684 | 8200x2300x3400 | 11850 |
| TC2 - 150 - 50A | 1500 x 50 | 192.1 | 3146 | 6950x2600x3650 | 15100 |
| - 60A | x 60 | 231.3 | 3788 | 7900x2600x3650 | 16600 |
| - 70A | x 70 | 270.5 | 4430 | 8600x2600x3650 | 18000 |
| - 80A | x 80 | 309.7 | 5072 | 9300x2600x3650 | 19400 |
| TC2 - 200 - 50A | 2000 x 50 | 318.5 | 6370 | 8650x3150x4150 | 35900 |
| - 60A | x 60 | 383.5 | 7670 | 9520x3150x4150 | 38850 |
| - 70A | x 70 | 448.5 | 8970 | 10470x3150x4150 | 41800 |
| - 80A | x 80 | 513.5 | 10270 | 11350x3150x4150 | 44000 |

Remarks :

- ▲ The hopper type , Auto filtrate guard type is optional.
- ▲ Another low pressure reverse washing filter cloth function (model name +R) (optional).
- ▲ Another cake discharge vibration assisting function (model name +V / the system is subject to the cake spalling, if not fully discharging need to be manually assisted to clean) (optional).
- ▲ When the electronic control function is upgraded, it can be upgraded to a fully automatic model (optional).
- ▲ Another 16kg/cm² class, model front +H (optional).
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

TC2B Automatic type (Segmented fast opening type) series



(Standard type : Conveyor type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Conveyor type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-------------------|--|----------------------------------|--|--|---------------------------|
| TC2 - 80 - 40B5 | 800 x 40 | 41.7 | 585 | 5500x1520x2350 | 3860 |
| - 50B7 | x 50 | 52.4 | 735 | 6200x1520x2350 | 4300 |
| - 60B8 | x 60 | 63.1 | 885 | 6820x1520x2350 | 4740 |
| TC2 - 100 - 40B7 | 1000 x 40 | 65.9 | 944 | 5570x1850x2650 | 5600 |
| - 50B9 | x 50 | 82.8 | 1186 | 6170x1850x2650 | 6260 |
| - 60B10 | x 60 | 99.7 | 1428 | 6790x1850x2650 | 6860 |
| - 70B12 | x 70 | 116.6 | 1670 | 7440x1850x2650 | 7500 |
| TC2 - 120 - 40B8 | 1200 x 40 | 94.4 | 1517 | 6080x2300x3250 | 9000 |
| - 50B10 | x 50 | 118.6 | 1906 | 6780x2300x3250 | 9910 |
| - 60B12 | x 60 | 142.8 | 2295 | 7600x2300x3250 | 10830 |
| - 70B14 | x 70 | 167.0 | 2684 | 8300x2300x3250 | 11730 |
| TC2 - 150 - 40B10 | 1500 x 40 | 152.9 | 2504 | 6280x2600x3650 | 13750 |
| - 50B13 | x 50 | 192.1 | 3146 | 7040x2600x3650 | 15100 |
| - 60B15 | x 60 | 231.3 | 3788 | 7920x2600x3650 | 16600 |
| - 70B18 | x 70 | 270.5 | 4430 | 8620x2600x3650 | 18000 |
| - 80B20 | x 80 | 309.7 | 5072 | 9340x2600x3650 | 19500 |

Remarks :

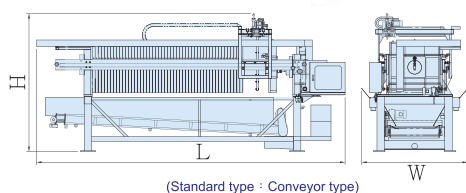
- ▲ The hopper type , Auto filtrate guard type is optional.
- ▲ Another low pressure reverse washing filter cloth function (model name +R) (optional).
- ▲ Another 16kg/cm² class, model front +H (optional).
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Wastewater (sewage) treatment plant equipment

Chamber plate / membrane type filter press dewatering machine

TC3 Fully automatic type (External front cleaning filter cloth) serie

Certificate No. : M584218



(Standard type : Conveyor type)

Standard specifications (Contact for customized)

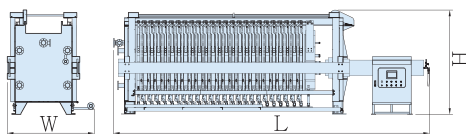
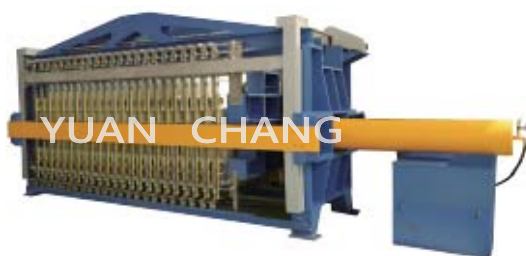
| Model | Filter plate size & quantity (Chamber plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Conveyor type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-----------------|--|----------------------------------|--|---|---------------------------|
| TC3 - 80 - 20P | 800 x 20 | 20.3 | 285 | 4500x1750x3000 | 3200 |
| - 30P | x 30 | 31.0 | 435 | 5100x1750x3000 | 3650 |
| - 40P | x 40 | 41.7 | 585 | 5820x1750x3000 | 4100 |
| - 50P | x 50 | 52.4 | 735 | 6420x1750x3000 | 4560 |
| TC3 - 100 - 30P | 1000 x 30 | 49.0 | 702 | 5300x2050x3100 | 5480 |
| - 40P | x 40 | 65.9 | 944 | 6050x2050x3100 | 6170 |
| - 50P | x 50 | 82.8 | 1186 | 6650x2050x3100 | 6860 |
| - 60P | x 60 | 99.7 | 1428 | 7250x2050x3100 | 7560 |
| TC3 - 120 - 40P | 1200 x 40 | 94.4 | 1517 | 6630x2560x3750 | 9600 |
| - 50P | x 50 | 118.6 | 1906 | 7330x2560x3750 | 11500 |
| - 60P | x 60 | 142.8 | 2295 | 8150x2560x3800 | 13400 |
| - 70P | x 70 | 167.0 | 2684 | 8850x2560x3800 | 15330 |
| TC3 - 150 - 40P | 1500 x 40 | 152.9 | 2504 | 6850x2650x4200 | 14450 |
| - 50P | x 50 | 192.1 | 3146 | 7500x2650x4200 | 15870 |
| - 60P | x 60 | 231.3 | 3788 | 8250x2650x4200 | 17250 |
| - 70P | x 70 | 270.5 | 4430 | 8950x2650x4200 | 18730 |
| TC3 - 200 - 50P | 2000 x 50 | 318.5 | 6370 | 9200x3400x4700 | 36900 |
| - 60P | x 60 | 383.5 | 7670 | 10100x3400x4700 | 39850 |
| - 70P | x 70 | 448.5 | 8970 | 11050x3400x4700 | 42800 |
| - 80P | x 80 | 513.5 | 10270 | 11900x3400x4700 | 45800 |

Remarks :

- ▲ The Auto filtrate guard type is optional.
- ▲ Another cake discharge vibration assisting function (model name +V / the system is subject to the cake spalling, if not fully discharging need to be manually assisted to clean) (optional).
- ▲ Another 16kg/cm² class, model front +H (optional).
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

TL / TLM Fully automatic type (Filter clothes moving) series

(Full automatic start-up, dewatering, unloading, filter cloth cleaning, free manual operation)



(Standard type : Naked type)

Standard specifications (Contact for customized)

| Model | Filter cake press type | Filter plate type | Filter plate size & quantity (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Naked type) (Not included base frame height) L x W x H (mm) |
|----------------|-------------------------------------|---|--|----------------------------------|--|--|
| TL - 63 - 20 | One time feed press | Mine type Chamber type | 630 x 20 | 11.8 | 167 | 5950x1500x2250 |
| - 30 | | | x 30 | 18.0 | 255 | 8710x1500x2250 |
| - 40 | | | x 40 | 24.2 | 343 | 9670x1500x2250 |
| TL - 100 - 20 | | | 1000 x 20 | 30.8 | 518 | 6930x1880x2640 |
| - 30 | | | x 30 | 47.0 | 791 | 9030x1880x2640 |
| - 40 | | | x 40 | 63.2 | 1064 | 11100x1880x2640 |
| TL - 150 - 20 | Second time membrane pressurization | Mine type Chamber type + Membrane plate | 1500 x 20 | 81.7 | 1360 | 7450x2550x3300 |
| - 30 | | | x 30 | 124.7 | 2076 | 9790x2550x3300 |
| - 40 | | | x 40 | 166.7 | 2792 | 12130x2550x3300 |
| TLM - 63 - 21 | | | 630 x 21 | 12.6 | 183 | 6180x1500x2250 |
| - 31 | | | x 31 | 18.9 | 274 | 8040x1500x2250 |
| - 41 | | | x 41 | 25.2 | 366 | 9900x1500x2250 |
| TLM - 100 - 21 | | | 1000 x 21 | 34.5 | 558 | 7140x1880x2640 |
| - 31 | | | x 31 | 51.7 | 837 | 9240x1880x2640 |
| - 41 | | | x 41 | 68.9 | 1116 | 11350x1880x2640 |
| TLM - 150 - 21 | | | 1500 x 21 | 87.6 | 1448 | 7670x2550x3300 |
| - 31 | | | x 31 | 131.4 | 2172 | 10010x2550x3300 |
| - 41 | | | x 41 | 175.2 | 2896 | 12320x2550x3300 |

Remarks :

- ▲ The conveyor type , Auto filtrate guard type is optional.
- ▲ Another 16kg/cm² class, model front +H (optional).
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Features & Usages

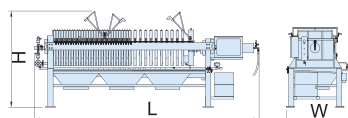
- ① It can be fully automated from start-up, dehydration, unloading, filter cloth cleaning, free of manual operation.
- ② The filter cloth moves around, the sludge cake can be completely unloaded, and it can be completely free of manual operation, a revolutionary new initiative.
- ③ The best weapon for "Ai Industry Artificial Intelligence" that can be fully automated is used in various wastewater treatments.
- ④ Feeding from upper part of chamber plate, after filter press, re-press, filter core blowback (optional equipment), unloading, filter cloth cleaning is automatically completed.
- ⑤ The filter cloth driving device drives the filter cloth to move up and down, the filter cake is easy to be automatically removed, and the front cleaning device makes the filter cloth clean inside and outside thoroughly.
- ⑥ The filtering area is large, the dehydration and extrusion increase the dryness of the sludge, the new design concept is easy to operate, and it is an efficient and energy-saving automatic filter press.
- ⑦ Standard PLC control of man-machine, feeding, pressure filtering, unloading of sludge cake, and cleaning of filter cloth can be completed automatically without human operation.
- ⑧ Automatic feeding system for filter cloth walking: sludge cake is completely unloaded without sticking to the filter cloth. Due to the walking design of the filter cloth, even if it is not easy to fall automatically sludge cake is also very easy to peel off automatically when the filter cloth is turned.
- ⑨ Applicable to industrial wastes: industrial sludge, sewage plant sludge, water resources sludge, incinerator fly ash dehydration equipment.



Wastewater (sewage) treatment plant equipment

Membrane type filter press dewatering machine

TM2 Membrane plate semi-automatic type (Plow type multi-time and segmented plate-open) series



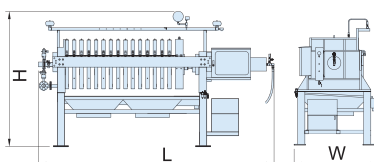
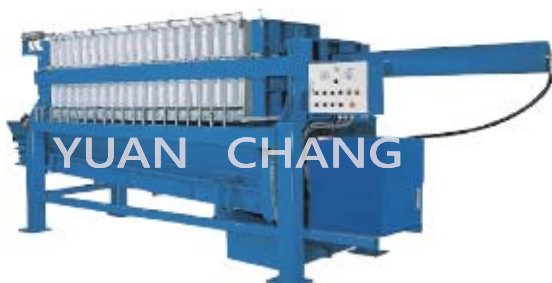
(Standard type : Hopper type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber + Membrane plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Hopper type)(Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|--------------------|--|----------------------------------|---|--|------------------------------|
| TM2 - 63 - 15 - 2 | 630 x 15 | 8.4 | 108 | 3150x1380x2100 | 1610 |
| - 21 - 3 | x 21 | 12.0 | 154 | 3500x1380x2100 | 1790 |
| - 31 - 3 | x 31 | 18.0 | 231 | 4270x1380x2230 | 2130 |
| - 41 - 4 | x 41 | 24.0 | 308 | 4920x1380x2230 | 2470 |
| TM2 - 80 - 21 - 3 | 800 x 21 | 18.2 | 285 | 4060x1690x2500 | 2830 |
| - 31 - 3 | x 31 | 27.3 | 428 | 5120x1690x2650 | 3330 |
| - 41 - 4 | x 41 | 36.4 | 570 | 5870x1690x2650 | 3660 |
| - 51 - 5 | x 51 | 45.5 | 713 | 6490x1690x2650 | 4030 |
| TM2 - 100 - 31 - 3 | 1000 x 31 | 43.2 | 666 | 5550x1950x2800 | 5220 |
| - 41 - 4 | x 41 | 57.6 | 888 | 6270x1950x2800 | 5740 |
| - 51 - 5 | x 51 | 72.0 | 1110 | 7090x1950x2800 | 6330 |
| - 61 - 6 | x 61 | 86.4 | 1332 | 7820x1950x2850 | 6890 |

Remarks: Same as TC2-N Multi-Time and Segmented semi-automatic type.

TM2 Membrane plate automatic type (Chain type one time and entire section plate-open) series



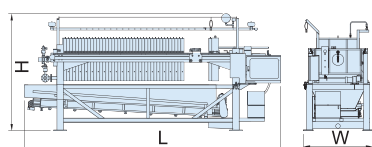
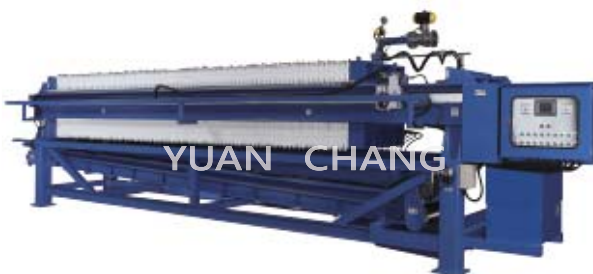
(Standard type : Hopper type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber + Membrane plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Hopper type)(Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|----------------|--|----------------------------------|---|--|------------------------------|
| TM2 - 63 - 15 | 630 x 15 | 8.4 | 108 | 3820x1300x2460 | 1680 |
| - 21 | x 21 | 12.0 | 154 | 4990x1300x2460 | 1930 |
| TM2 - 80 - 15 | 800 x 15 | 12.7 | 200 | 4870x1690x2750 | 3100 |
| - 21 | x 21 | 18.2 | 285 | 6350x1690x2750 | 3460 |
| TM2 - 100 - 15 | 1000 x 15 | 20.2 | 311 | 5030x1900x2820 | 4160 |
| - 21 | x 21 | 28.8 | 444 | 6340x1900x2820 | 4730 |

Remarks: Same as TC2-N automatic type.

TM2A Membrane plate automatic type (Plate-open one by one) (Can be upgraded to fully automatic mode) series



(Standard type : Conveyor type)

Standard specifications (Contact for customized)

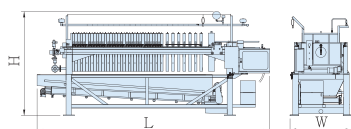
| Model | Filter plate size & quantity (Chamber + Membrane plate type) (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Conveyor type)(Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-----------------|--|----------------------------------|---|--|------------------------------|
| TM2 - 63 - 31A | 630 x 31 | 18.0 | 231 | 4610x1260x2460 | 2160 |
| - 41A | x 41 | 24.0 | 308 | 5240x1260x2460 | 2470 |
| - 51A | x 51 | 30.0 | 385 | 5870x1260x2460 | 2780 |
| TM2 - 80 - 31A | 800 x 31 | 27.3 | 428 | 4850x1480x2800 | 3400 |
| - 41A | x 41 | 36.4 | 570 | 5530x1480x2800 | 4070 |
| - 51A | x 51 | 45.5 | 713 | 6200x1480x2800 | 4740 |
| TM2 - 100 - 41A | 1000 x 41 | 57.6 | 888 | 6110x1830x2820 | 5200 |
| - 51A | x 51 | 72.0 | 1110 | 6870x1830x2820 | 5720 |
| - 61A | x 61 | 86.4 | 1332 | 8070x1830x2820 | 6250 |
| - 71A | x 71 | 100.8 | 1554 | 8880x1830x2820 | 6880 |
| TM2 - 120 - 41A | 1200 x 41 | 89.6 | 1311 | 6470x2350x3500 | 9000 |
| - 51A | x 51 | 112.0 | 1639 | 7250x2350x3500 | 10050 |
| - 61A | x 61 | 134.4 | 1967 | 8230x2350x3500 | 11100 |
| - 71A | x 71 | 156.8 | 2294 | 9010x2350x3500 | 12300 |
| TM2 - 150 - 51A | 1500 x 51 | 180.0 | 2993 | 8020x2620x4000 | 16030 |
| - 61A | x 61 | 216.0 | 3591 | 8900x2620x4000 | 17690 |
| - 71A | x 71 | 252.0 | 4190 | 9770x2620x4000 | 19240 |
| - 81A | x 81 | 288.0 | 4788 | 10650x2620x4000 | 20800 |
| TM2 - 200 - 51A | 2000 x 51 | 340.0 | 5795 | 9270x3250x4500 | 36540 |
| - 61A | x 61 | 408.0 | 6954 | 10220x3250x4500 | 39570 |
| - 71A | x 71 | 476.0 | 8113 | 11170x3250x4500 | 42600 |
| - 81A | x 81 | 544.0 | 9272 | 12120x3250x4500 | 44880 |

Remarks: Same as TC2 A automatic type.

Wastewater (sewage) treatment plant equipment

Membrane type filter press dewatering machine

TM2B Membrane plate automatic type (Segmented fast opening) series



(Standard type : Conveyor type)

Standard specifications (Contact for customized)

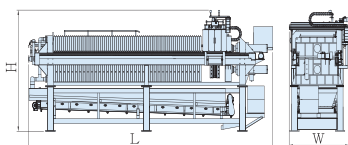
| Model | Filter plate size & quantity (Chamber + Membrane plate type) (mm / piece) | Filter area (M²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Conveyor type)(Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-------------------|--|---------------------|---|--|------------------------------|
| TM2 - 80 - 41B5 | 800 x 41 | 36.4 | 570 | 5880x1480x2800 | 4100 |
| - 51B7 | x 51 | 45.5 | 713 | 6500x1480x2800 | 4590 |
| - 61B8 | x 61 | 54.6 | 855 | 7150x1480x2800 | 5080 |
| TM2 - 100 - 41B7 | 1000 x 41 | 57.6 | 888 | 6130x1830x2820 | 5890 |
| - 51B9 | x 51 | 72.0 | 1110 | 6890x1830x2820 | 6600 |
| - 61B10 | x 61 | 86.4 | 1332 | 7960x1830x2820 | 7250 |
| - 71B12 | x 71 | 100.8 | 1554 | 8670x1830x2820 | 7950 |
| TM2 - 120 - 41B8 | 1200 x 41 | 89.6 | 1311 | 6490x2350x3500 | 9300 |
| - 51B10 | x 51 | 112.0 | 1639 | 7270x2350x3500 | 10260 |
| - 61B12 | x 61 | 134.4 | 1967 | 8220x2350x3500 | 11230 |
| - 71B14 | x 71 | 156.8 | 2294 | 8950x2350x3500 | 12180 |
| TM2 - 150 - 41B10 | 1500 x 41 | 144.0 | 2394 | 7070x2620x4000 | 14520 |
| - 51B13 | x 51 | 180.0 | 2993 | 7890x2620x4000 | 16030 |
| - 61B15 | x 61 | 216.0 | 3591 | 8740x2620x4000 | 17690 |
| - 71B18 | x 71 | 252.0 | 4190 | 9560x2620x4000 | 19240 |
| - 81B20 | x 81 | 288.0 | 4788 | 10410x2620x4000 | 20900 |

Remarks: Same as TC2B automatic type

TM3 Membrane plate fully automatic type (External front cleaning filter cloth) series



Patent certificate number: new M584218



(Standard type : Conveyor type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber + Membrane plate type) (mm / piece) | Filter area (M²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Conveyor type)(Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-----------------|--|---------------------|---|--|------------------------------|
| TM3 - 80 - 21P | 800 x 21 | 18.2 | 285 | 4630x1750x3000 | 3360 |
| - 31P | x 31 | 27.3 | 428 | 5250x1750x3000 | 3850 |
| - 41P | x 41 | 36.4 | 570 | 6000x1750x3000 | 4350 |
| - 51P | x 51 | 45.5 | 713 | 6630x1750x3000 | 4850 |
| TM3 - 100 - 31P | 1000 x 31 | 43.2 | 666 | 5730x2050x3100 | 5700 |
| - 41P | x 41 | 57.6 | 888 | 6560x2050x3100 | 6460 |
| - 51P | x 51 | 72.0 | 1110 | 7270x2050x3100 | 7200 |
| - 61P | x 61 | 86.4 | 1332 | 8320x2050x3100 | 7960 |
| TM3 - 120 - 41P | 1200 x 41 | 89.6 | 1311 | 6900x2560x3800 | 9900 |
| - 51P | x 51 | 112.0 | 1639 | 7640x2560x3800 | 11850 |
| - 61P | x 61 | 134.4 | 1967 | 8380x2560x3800 | 13800 |
| - 71P | x 71 | 156.8 | 2294 | 9100x2560x3800 | 15780 |
| TM3 - 150 - 41P | 1500 x 41 | 144.0 | 2394 | 7370x2750x4200 | 15220 |
| - 51P | x 51 | 180.0 | 2993 | 8190x2750x4200 | 16800 |
| - 61P | x 61 | 216.0 | 3591 | 9040x2750x4200 | 18330 |
| - 71P | x 71 | 252.0 | 4190 | 9860x2750x4200 | 19970 |
| TM3 - 200 - 51P | 2000 x 51 | 340.0 | 5795 | 9600x3400x4700 | 37540 |
| - 61P | x 61 | 408.0 | 6954 | 10520x3400x4700 | 40570 |
| - 71P | x 71 | 476.0 | 8113 | 11520x3400x4700 | 43600 |
| - 81P | x 81 | 544.0 | 9272 | 12440x3400x4700 | 46680 |

Remarks: Same as TC3 fully-automatic type

TRM Super large membrane plate fully automatic type (Overhang plate type) series



(Standard type : Naked type)

Standard specifications (Contact for customized)

| Model | Filter plate size & quantity (Chamber + Membrane plate type) (mm / piece) | Filter area (M²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Naked type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) |
|-----------------|--|---------------------|---|--|------------------------------|
| TRM - 120 - 61A | 1200 x 61 | 134.4 | 2070 | 9300x2050x2900 | 25900 |
| - 81A | x 81 | 179.2 | 2760 | 10800x2050x2900 | 28400 |
| - 101A | x 101 | 224.0 | 3450 | 13400x2050x2900 | 31300 |
| TRM - 150 - 61A | 1500 x 61 | 216.0 | 3780 | 10350x2400x3400 | 40000 |
| - 81A | x 81 | 288.0 | 5040 | 12000x2400x3400 | 44000 |
| - 101A | x 101 | 360.0 | 6300 | 14800x2400x3400 | 49000 |
| - 121A | x 121 | 432.0 | 7560 | 16500x2400x3400 | 54000 |
| TRM - 200 - 81A | 2000 x 81 | 544.0 | 9760 | 13950x2900x4050 | 75000 |
| - 101A | x 101 | 680.0 | 12200 | 15700x2900x4050 | 83000 |
| - 121A | x 121 | 816.0 | 14640 | 17450x2900x4050 | 89800 |

Remarks :

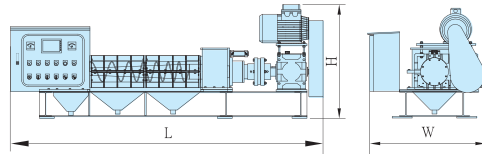
- ▲ The conveyor type , Auto filtrate guard type is optional.
- ▲ Another low pressure reverse washing filter cloth function (model name +R) (optional).
- ▲ Another cake discharge vibration assisting function (model name +V / the system is subject to the cake spalling, if not fully discharging need to be manually assisted to clean) (optional).
- ▲ Another 16kg/cm² class, model front +H (optional).
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

(This model is especially suitable for extremely large amount of sludge, for instance: water purification plants, stone, ceramics, mining, construction mud, silt of river and reservoir, integrated sewage treatment plant ... etc.)

Wastewater (sewage) treatment plant equipment

Screw press dewatering machine

SY-S Series (heavy duty type)



Usages

- ① Dewatering of paper pulp sludge, dyeing and finishing fiber sludge, leather sludge, urban sewage sludge, flue gas desulfurization sludge, civil engineering residue, animal husbandry manure and so on.
- ② The secondary extrusion of the sludge after dewatering by the drum / filter belt can reduce the water content again, and can be reduced from 85% to 35% (depending on the type of sludge), effectively reducing the post-fractional freight.
- ③ Recycling and dewatering treatment of various waste industries
- ④ Dehydration of related substances such as dross, fiber, granules, etc. in related industrial manufacturing.
- ⑤ Used for those who have extremely high moisture content.

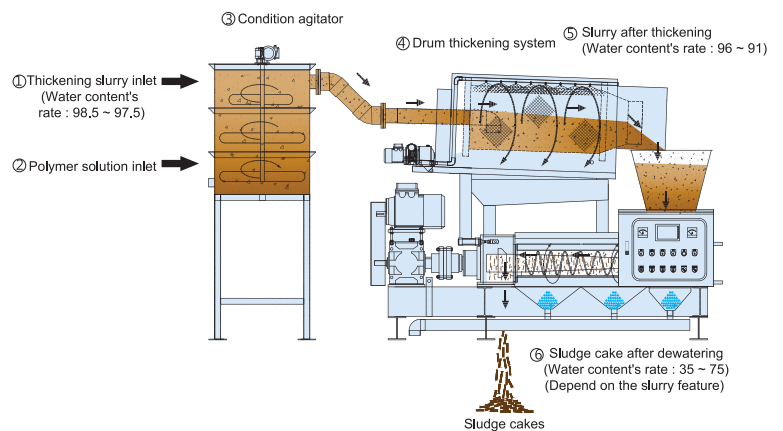
Standard specifications (Contact for customized)

| Spec. | Model | SY-15S | SY-20S | SY-30S | SY-40S | SY-50S | SY-60S |
|--|-------|---------|----------|-----------|-----------|-----------|-----------|
| Capacity (D.S, kg/hr) Influent concentration (D.S.1~10%) | | 20 ~ 50 | 80 ~ 130 | 130 ~ 200 | 170 ~ 270 | 220 ~ 330 | 260 ~ 400 |
| Driving horsepower (HP) | | 0.5 ~ 1 | 1 ~ 2 | 2 ~ 3 | 3 ~ 5 | 3 ~ 5 | 3 ~ 7.5 |
| Reference dimension (mm) | L | 2800 | 3050 | 3400 | 4300 | 5450 | 6450 |
| | W | 1020 | 1100 | 1200 | 1300 | 1400 | 1550 |
| | H | 980 | 1040 | 1130 | 1230 | 1420 | 1600 |
| Reference weight (kgs) | | 980 | 1270 | 1760 | 3480 | 5560 | 7600 |

Remarks:

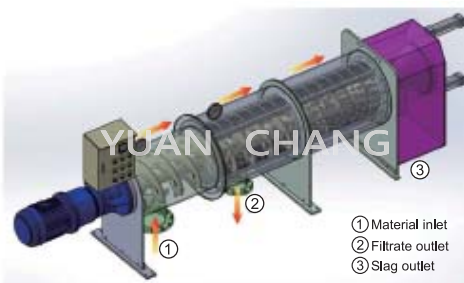
- ▲ The amount of treatment and moisture content depend on the physical properties, type and solid content of the sludge.
- ▲ The driving horsepower and the amount of processing will vary depending on the physical properties and types of sludge.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Schematic diagram of direct dewatering of mud and water



Screw type filter extruder

SA Series (filter extrusion type)



Standard specifications (Contact for customized)

| Spec. | Model | SA-10 | SA-20 | SA-30 | SA-40 |
|-----------------------------|-------|---------|---------|----------|----------|
| Capacity (m³/hr) | | 10 ~ 40 | 20 ~ 80 | 30 ~ 100 | 40 ~ 150 |
| Driving horsepower (HP) | | 5 | 10 | 15 | 20 |
| Reference dimension (mm) | L | 2800 | 3050 | 3250 | 3780 |
| | W | 1040 | 1090 | 1140 | 1190 |
| | H | 1850 | 2000 | 2050 | 2350 |
| Reference weight (kgs) | | 800 | 1050 | 1200 | 1680 |

Remarks:

- ▲ The amount of treatment varies depending on the physical properties, type and solid content.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Relationship of treatment volume and solid content

| Solid sludge (DS%) | Capacity (m³/hr) | Model | Usage |
|-----------------------|---------------------|--------------|------------------|
| 1 | 97 | Test machine | Municipal sludge |
| 2 | 65 | Test machine | Municipal sludge |
| 3 | 60 | Test machine | Municipal sludge |
| 4 | 53 | Test machine | Municipal sludge |
| 5 | 50 | Test machine | Municipal sludge |
| 6 | 45 | Test machine | Municipal sludge |
| 7 | 30 | Test machine | Municipal sludge |

Features

- ★ Filter press, the solid content of the grid residue after dehydration can reach 45%.
- ★ Online pressure filtration system for solid-liquid separation of various sludges and process waters, especially viscous and oil-rich sludge.
- ★ Reduce operating and maintenance costs and improve the safety of subsequent sludge treatment operations, such as concentration, digestion, dehydration, sanitation, drying, etc.
- ★ Solid-liquid separation filter pore size selection range 0.15 to 5mm, also suitable for industrial applications.
- ★ It is suitable for recycling water, saving costs and achieving recycling purposes.
- ★ The sludge filtration treatment capacity can reach 110m³/hr. The process water filtration capacity can reach 150m³/hr (depending on the filter pore size).
- ★ Safe and reliable filter self-cleaning, no need to rinse additional water.
- ★ Automatic taper adjustment to obtain the optimal dewatering value of grid slag.

Usages

- It is widely used in sludge filtration or process water filtration. It is solid-liquid separation in a pressure system, and solid impurities are trapped and dehydrated.
- Applied to the following media solid-liquid separation:
- ① Primary sludge / fresh sludge.
 - ② Mixing / floating sludge.
 - ③ Grease / digested sludge.
 - ④ Secondary sludge / excess sludge.
 - ⑤ Fecal sludge.
 - ⑥ Sewage and sludge generated in industrial production processes.
 - ⑦ Circle water and process water.

Wastewater (sewage) treatment plant equipment

Volute sludge dewatering equipment

SR Series (Volute type - continuous process)

Standard specifications (Contact for customized)

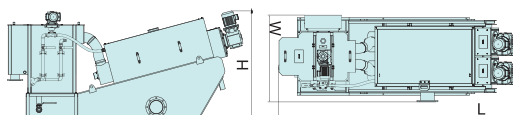
| Spec. | Model | Absolute dry capacity (Ds, kg /hr) (Limited influent concentration 1~2.5% D.S) | Power usage (KW) | | Cleaning water consumption (L/hr) (Pressure >2 kg/cm ²) | Reference dimension (mm) | | | Reference weight (kgs) |
|-------|--------|---|-------------------------|------------------------------|---|--------------------------|------|------|------------------------------|
| | | | Driving motor KW x N | Conditioning mixer KW x N | | L | W | H | |
| | SR-131 | 5 ~ 10 | 0.18 x 1 | 0.18 x 1 | 43 | 1870 | 730 | 1170 | 250 |
| | SR-251 | 15 ~ 30 | 0.55 x 1 | 0.37 x 1 | 58 | 2690 | 880 | 1600 | 500 |
| | SR-301 | 30 ~ 60 | 0.75 x 1 | 0.55 x 1 | 93 | 3310 | 1000 | 1700 | 750 |
| | SR-303 | 90 ~ 180 | 0.75 x 3 | 0.75 x 1 | 279 | 3700 | 1650 | 1700 | 1750 |
| | SR-351 | 50 ~ 100 | 1.1 x 1 | 0.75 x 1 | 126 | 3610 | 1100 | 1850 | 1150 |
| | SR-352 | 100 ~ 200 | 1.1 x 2 | 0.75 x 1 | 252 | 3820 | 1490 | 1850 | 1950 |
| | SR-401 | 80 ~ 160 | 1.5 x 1 | 1.5 x 1 | 115 | 4550 | 1180 | 2250 | 2050 |
| | SR-402 | 160 ~ 320 | 1.5 x 2 | 1.5 x 1 | 230 | 4870 | 1710 | 2250 | 3850 |
| | SR-403 | 240 ~ 480 | 1.5 x 3 | 1.5 x 2 | 345 | 4790 | 2550 | 2250 | 5400 |
| | SR-404 | 320 ~ 640 | 1.5 x 4 | 1.5 x 2 | 460 | 4840 | 3140 | 2250 | 7000 |

Remarks:

▲ If the sewage concentration is less than 10000mg/L, it is recommended to carry out sedimentation and concentration treatment; if the sewage concentration is greater than 25000mg/L, it is recommended to carry out dilution treatment.

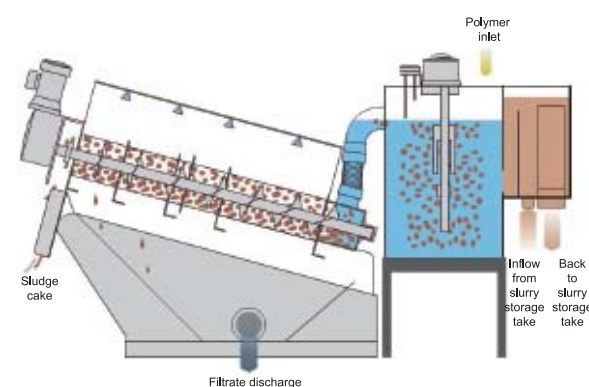
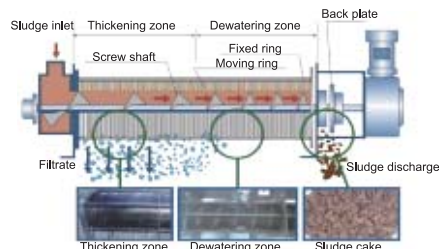
▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.



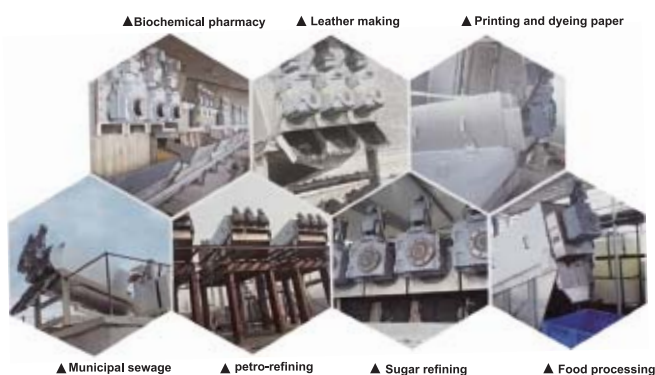
Features

- ★ Unique design, the filter hole will never be blocked.
- ★ The structure is streamlined and saves space.
- ★ Low energy consumption, less water cleaning.
- ★ Clean, environmentally friendly, non-polluting, easy to maintain.
- ★ Simple processing, high efficiency in dewatering, low system investment
- ★ System can be programmed to make the operation more convenient and accurate.
- ★ Unique flocculating agent make sludge dewatering easier.
- ★ Uniform and accurate dispensing, saving costs.
- ★ Strong resistance to oily sludge, the best oily sludge dehydrator, especially suitable for difficult oily and high viscosity sludge. Strong resistance to oily sludge, the best oily sludge dehydrator, especially suitable for difficult oily and high viscosity sludge.

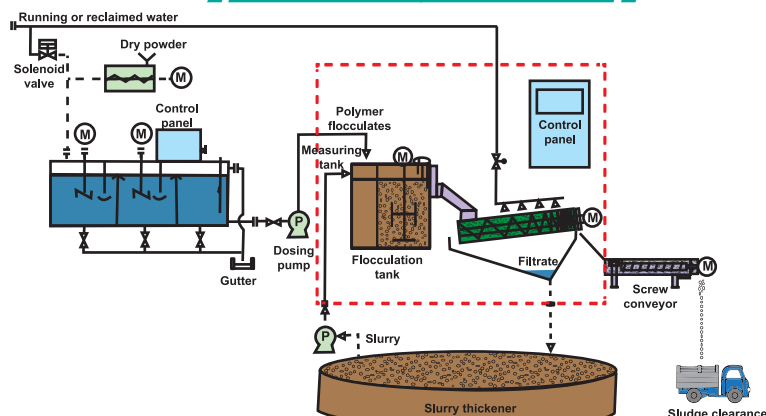


Application industry

© Applications: municipal sewage, petro-refining, leather making, printing and dyeing, paper making, welding material, coal beneficiation, biochemical pharmacy, steel pickling, chemicals, sugar making, food and drinks processing...etc.



Process flow reference chart



This is the supplied parts, the others can be customized.

Sludge drying and reducing treatment

Sludge drying equipment

CDB Series (low temperature dehumidification - batch processing)



Standard specifications (Contact for customized)

| Spec. | Model | CDB-200U | CDB-300U | CDB-500U | CDB-750U | CDB-1000U |
|--|--------------|--|----------|----------|----------|-----------|
| Batch capacity (L/24hr) (85/75% → 40%) | | 200 | 300 | 500 | 750 | 1000 |
| Sludge classification & sources | | Organic (depending on actual test) / inorganic ; Sludge cake after dewatering using a filter press / belt filter / volute / screw press / centrifuger | | | | |
| Electricity consumption / KG H ₂ O (KWH) | | 0.3 ~ 0.55 (water content 75% ~ 85% to 40% , depending on sludge type and moisture content) | | | | |
| Drying temperature (°C) | | 35 ~ 70 (depending on sludge type and moisture content) | | | | |
| Reference dimension (mm) | Main machine | L | 2250 | 2400 | 2400 | 2430 |
| | | W | 1350 | 1350 | 1540 | 1800 |
| | | H | 2200 | 2320 | 2420 | 2450 |
| | Drying cart | L | 950 | 1050 | 1100 | 1200 |
| | | W | 900 | 1000 | 1100 | 1200 |
| | | H | 900 | 1020 | 1120 | 1130 |
| Space required (mxm) | | 3x2.5 | 3x3 | 3x3 | 3x3 | 3.5x3.5 |

Standard specifications (Contact for customized)

| Spec. | Model | CDB-500 | CDB-750 | CDB-1000 | CDB-1500 | CDB-2000 | CDB-3000 | CDB-3000T | CDB-4000T | CDB-5000T |
|--|------------------------|--|---------|----------|----------|----------|----------|-----------|-----------|-----------|
| Batch capacity (L/24hr) (85/75% → 40%) | | 500 | 750 | 1000 | 1500 | 2000 | 3000 | 3000 | 4000 | 5000 |
| Sludge classification & sources | | Organic (depending on actual test) / inorganic ; Sludge cake after dewatering using a filter press / belt filter / volute / screw press / centrifuger | | | | | | | | |
| Electricity consumption/KG H ₂ O (KWH) | | 0.3 ~ 0.55 (water content 75% ~ 85% to 40% , depending on sludge type and moisture content) | | | | | | | | |
| Drying temperature (°C) | | 35 ~ 70 (depending on sludge type and moisture content) | | | | | | | | |
| Reference dimension (mm) | Main machine | L | 2250 | 2250 | 3000 | 3000 | 3620 | 3620 | 4600 | 4600 |
| | | W | 1220 | 1220 | 1220 | 1650 | 1700 | 1900 | 2100 | 2100 |
| | | H | 2000 | 2000 | 2170 | 2310 | 2310 | 2450 | 2450 | 2450 |
| | Drying cart / tank (T) | L | 1230 | 1280 | 1300 | 1500 | 1300 | 1500 | 2300 | 2500 |
| | | W | 1170 | 1280 | 1300 | 1500 | 1300 | 1500 | 1750 | 2000 |
| | | H | 1130 | 1130 | 1340 | 1750 | 1340 | 1750 | 2300 | 2500 |
| | H1 | 2900 | 2900 | 2900 | 3270 | 2900 | 3960 | 3960 | 3500 | 3700 |
| | | 4x4 | 4x4 | 4x4 | 6x6 | 8x8 | 8x8 | 8x8 | 8x8 | 8x8 |
| | | 4x4 | 4x4 | 4x4 | 6x6 | 8x8 | 8x8 | 8x8 | 8x8 | 8x8 |

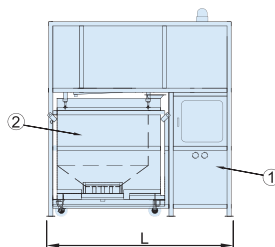
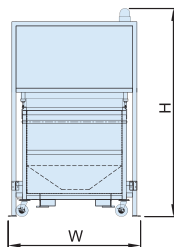
Remarks:

- ▲ Model front +T : Drying tank type.
- ▲ The working temperature of the working plant area is 10~40°C.
- ▲ The water content of sludge less than 85% after dewatering of filter belt type dewatering machine, stacked screw dewatering machine and centrifugal dewatering machine is also applicable.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

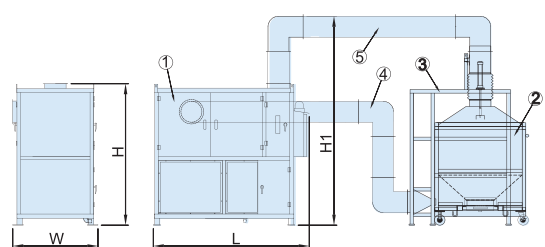
Configuration diagram

▼ Dry mainframe&cart union type

| No | Component |
|----|-------------|
| 1 | Mainframe |
| 2 | Dry cart |
| 3 | Pipe frame |
| 4 | Inlet pipe |
| 5 | Outlet pipe |



▼ Dry mainframe&cart separation type



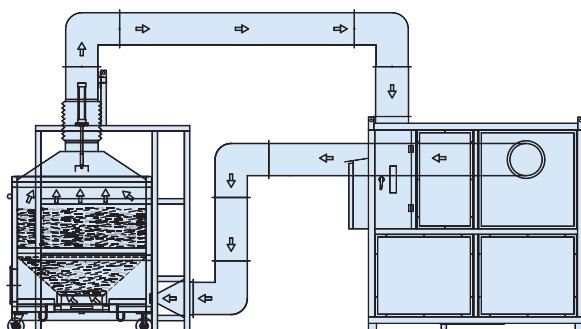
Usages

- Applicable to the drying reduction of sludge cake after dehydration of various industrial sludges (inorganic).
- The volume of sludge after drying is reduced by 40%, the weight by more than 70%, and the treatment cost is effectively reduced.
- The electricity consumption is only 0.4~0.6 degrees per kilogram of dewatering. It can also be used in the off peak electricity price period to operate with high economic benefits.
- Closed circulation, low noise, no waste water, waste gas, no secondary pollution problems.

Features

- ★ The volume of sludge after drying is reduced by 50%, the weight by more than 60%, and the treatment cost is effectively reduced.
- ★ The electricity consumption is only 0.3~5.5 degrees per kilogram of dewatering. It can also be used in the off peak electricity price period to operate with high economic benefits.
- ★ Closed circulation, low noise, no waste water, waste gas, no secondary pollution problems.
- ★ Patent certificate number: new type M585786.

Treatment flow chart



Sludge drying examples



Sludge drying and reducing treatment

Sludge drying equipment

CD Series (low temperature dehumidification - continuous treatment)



Usages & Features

- ◎The best drying and reducing system for organic sludge and inorganic sludge.
- ◎The equipment has compact structure, small floor space, simple operation, convenient maintenance and stable operation.
- ◎With the ability of large production, high efficiency, energy saving and continuous production.
- ◎Low-temperature dehumidification and drying energy consumption is low, no waste gas and dust are generated, and there is no secondary pollution.

Standard specifications (Contact for customized)

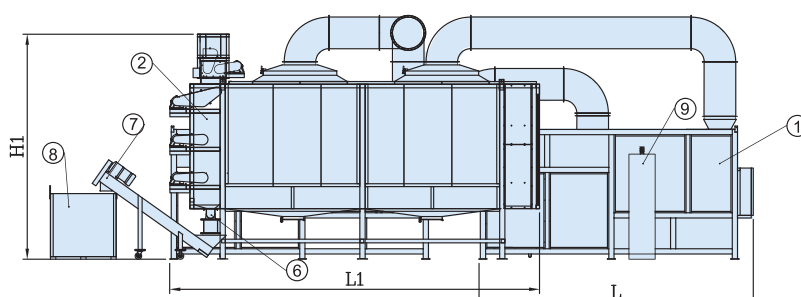
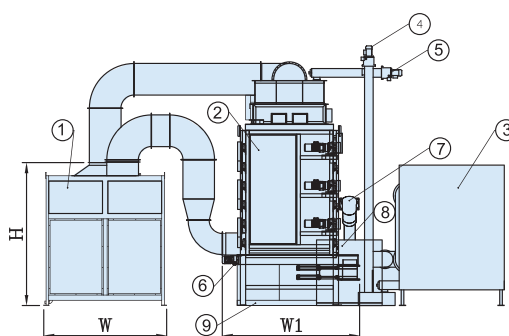
| Model | | CD-100 | CD-200 | CD-300 | CD-400 | CD-500 | CD-750 | CD-1000 | CD-1500 | CD-2000 | CD-3000 | CD-4000 | |
|---|-----------|---|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|-------|
| Spec. | | | | | | | | | | | | | |
| Capacity(kg/hr) (85/75% → 40%) | | 100 | 200 | 300 | 400 | 500 | 750 | 1000 | 1500 | 2000 | 3000 | 4000 | |
| Daily capacity (Ton/24hr) (85/75% → 40%) | | 2.4 | 4.8 | 7.2 | 9.6 | 12 | 18 | 24 | 36 | 48 | 72 | 96 | |
| Sludge classification | | Organic / inorganic | | | | | | | | | | | |
| Electricity consumption / KG H ₂ O (KWH) | | 0.3 ~ 0.55 (water content 75% ~ 85% to 40% , depending on sludge type and moisture content) | | | | | | | | | | | |
| Highest treatable moisture content (%) | | 85 (depending on sludge type and moisture content) | | | | | | | | | | | |
| Drying temperature (°C) | | 35 ~ 70 (Depending on sludge type and moisture content) | | | | | | | | | | | |
| Reference dimension (mm) | Mainframe | L | 3600 | 4600 | 4600 | 4600 | 5200 | 5200 | 5200 | 5200 | 5200 | 5200 | 5200 |
| | | W | 2000 | 2100 | 2100 | 2100 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 |
| | | H | 2300 | 2300 | 2300 | 2300 | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 | 2700 |
| | Dry tank | L | 4000 | 4200 | 5200 | 6200 | 7200 | 10000 | 12000 | 18000 | 24000 | 36000 | 48000 |
| | | W | 2600 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| | | H | 3700 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 |
| Nuner of mainframe | | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 6 | 8 | 12 | 16 | |
| Required space (mxm) | | 8x3 | 8x4 | 8x5 | 10x6 | 10x8 | 12x8 | 14x10 | 21x10 | 26x10 | 38x10 | 50x10 | |

Remarks:

- ▲ The working temperature of the working plant area is 10~42°C.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation size chart before ordering

Configuration diagram

| No | Component |
|----|-------------------------|
| 1 | Mainframe |
| 2 | Drying tank |
| 3 | Sludge storage |
| 4 | Vertical screw conveyor |
| 5 | Feed screw conveyor |
| 6 | Discharge conveyor |
| 7 | Disch. screw conveyor |
| 8 | Bulk bag frame |
| 9 | Electrical control box |



Sludge drying and reducing treatment

Sludge drying equipment

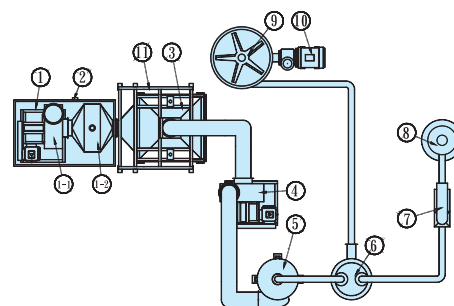
CHB Series (hot air drying type - batch processing)



Usages

- Inorganic sludge optimal drying and reducing system.
- Waste heat steam recovery and reuse in sludge drying and energy saving design.
- Dry materials in the pharmaceutical, food, chemical and other industries (please contact us separately).

Confi diagramgram



Standard specifications (Contact for customized)

| Model | | CHB-500 | CHB-750 | CHB-1000 | CHB-1500 | CHB-2000 | CHB-3000 | CHB-3000T | CHB-4000T | CHB-5000T |
|--|---|---|---------|----------|----------|----------|----------|-----------|-----------|-----------|
| Spec. | | | | | | | | | | |
| Batch capacity (L/8hr) (75/85% → 40%) | | 500 | 750 | 1000 | 1500 | 2000 | 3000 | 3000 | 4000 | 5000 |
| Sludge classification | | Inorganic | | | | | | | | |
| Heat source | | Steam / waste heat / electric heat | | | | | | | | |
| Highest treatable moisture content (%) | | 85 (depending on sludge type and moisture content) | | | | | | | | |
| Drying temperature (°C) | | 100 ~ 150 (depending on sludge type and moisture content) | | | | | | | | |
| Reference dimension (mm) | L | 1100 | 1280 | 1300 | 1500 | 1500 | 1500 | 1750 | 1900 | 2200 |
| | W | 1100 | 1270 | 1300 | 1500 | 1500 | 1500 | 1750 | 1900 | 2200 |
| | H | 1120 | 1120 | 1320 | 1600 | 1400 | 1600 | 1800 | 1800 | 1600 |
| Number of dry cart / tank (T) | | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 |
| Reference weight (kgs) | | 4x4 | 4x4 | 4x4 | 4x4 | 6x6 | 8x8 | 8x8 | 8x8 | 8x8 |

Remarks:

- ▲ Model front +T : Drying tank type.
- ▲ Dry heat source can be steam, waste heat and electric heat, and it has a wide range of applications.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation size chart before ordering.

| No | Component |
|-----|---------------|
| 1 | Mainframe |
| 1-1 | Blower |
| 1-2 | Exchanger |
| 2 | Heat inlet |
| 3 | Dry cart |
| 4 | Blower |
| 5 | Cyclone |
| 6 | Condenser |
| 7 | Vacuum pump |
| 8 | Scrubber |
| 9 | Cooling tower |
| 10 | Water pump |
| 11 | Pipe frame |

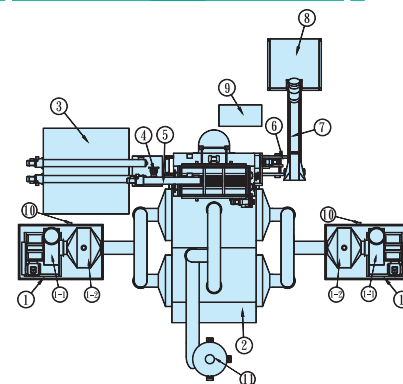
CH Series (hot air drying type - continuous processing)



Usages

- Drying of agricultural and animal husbandry residues and waste.
- Drying of tofu residue and food processing residue.
- The biological sludge in the primary sedimentation tank and secondary sedimentation tank of the municipal sewage treatment plant in Chenshi is dried.
- Inorganic sludge and biological sludge drying in factory wastewater treatment plant.
- Drying of organic and inorganic waste in industrial plants.

Configuration diagram



Standard specifications (Contact for customized)

| Model | CH-100 | CH-200 | CH-300 | CH-400 | CH-500 | CH-750 | CH-1000 | CH-1500 | CH-2000 | CH-3000 | CH-4000 |
|---|---|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| Spec. | | | | | | | | | | | |
| Capacity (kg/hr) (75/85% → 40%) | 100 | 200 | 300 | 400 | 500 | 750 | 1000 | 1500 | 2000 | 3000 | 4000 |
| Daily capacity (Ton/24hr) (85/75% → 40%) | 2.4 | 4.8 | 7.2 | 9.6 | 12 | 18 | 24 | 36 | 48 | 72 | 96 |
| Sludge classification | Organic / Inorganic | | | | | | | | | | |
| Heat source | Steam / waste heat / electric heat | | | | | | | | | | |
| Highest treatable moisture content (%) | 85 (depending on sludge type and moisture content) | | | | | | | | | | |
| Drying temperature (°C) | 100 ~ 150 (depending on sludge type and moisture content) | | | | | | | | | | |
| Reference dimension (mm) | Mainframe | L | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| | | W | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 |
| | | H | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| | Dry tank | L | 1500 | 3500 | 5000 | 6200 | 7500 | 9000 | 12000 | 18000 | 24000 |
| | | W | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 |
| | | H | 4000 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 | 4400 |
| Num of mainframe | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 6 | 8 | 12 | 16 |
| Reference weight (kgs) | 8x3 | 8x4 | 8x5 | 10x6 | 10x8 | 12x8 | 14x10 | 21x10 | 26x10 | 38x10 | 50x10 |

Remarks:

- ▲ Dry heat source can be steam, waste heat and electric heat, and it has a wide range of applications.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation size chart before ordering.

| No | Component |
|-----|-------------------------|
| 1 | Mainframe |
| 1-1 | Blower |
| 1-2 | Exchanger |
| 2 | Dry tank |
| 3 | Sludge storage |
| 4 | Vertical screw conveyor |
| 5 | Feed screw conveyor |
| 6 | Discharge conveyor |
| 7 | Disch. Screw conveyor |
| 8 | Bulk bag frame |
| 9 | Electrical control box |
| 10 | Heat inlet |
| 11 | Cyclone |

Sludge drying and reducing treatment

Sludge drying equipment

KC Series (tower disc-continuous processing)



Standard specifications (Contact for customized)

| Spec. | Model | KC-200 | KC-300 | KC-400 | KC-500 | KC-750 | KC-1000 | KC-1500 | KC-2000 |
|--|-------|---|--------|--------|--------|--------|---------|---------|---------|
| Capacity (kg/hr) (85% → 40%) | | 200 | 300 | 400 | 500 | 750 | 1000 | 1500 | 2000 |
| Daily capacity (Ton/24hr) (85% → 40%) | | 4.8 | 7.2 | 9.6 | 12 | 18 | 24 | 36 | 48 |
| Sludge classification | | Organic / inorganic | | | | | | | |
| Heat source | | Steam / hot air | | | | | | | |
| Highest treatable moisture content (%) | | 85 (depending on sludge type and moisture content) | | | | | | | |
| Drying temperature (°C) | | 100 ~ 180 (depending on sludge type and moisture content) | | | | | | | |
| Reference dimension (mm) | Φ | 1200 | 1200 | 1200 | 1400 | 1400 | 1500 | 1800 | 2000 |
| | H | 3000 | 3500 | 3500 | 3500 | 5000 | 5000 | 5000 | 6500 |
| | Layer | 4 | 6 | 8 | 8 | 10 | 10 | 10 | 12 |
| | HP | 3 | 3 | 5 | 5 | 7.5 | 7.5 | 12.5 | 15 |
| Required space (mxm) | | 6x6 | 6x6 | 6x6 | 8x8 | 8x8 | 10x10 | 12x12 | 14x14 |

Remarks:

▲ Dry heat source can be steam and hot air, and it has a wide range of applications.

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

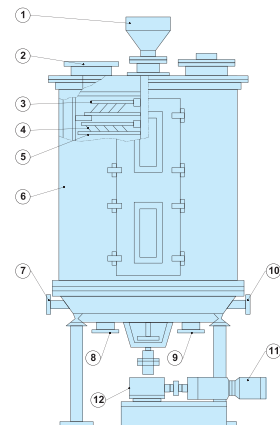
▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- Drying of organic and inorganic waste in industrial plants.
- Inorganic sludge and biological sludge drying in factory wastewater treatment plant.
- Industrial wastewater treatment: inorganic sludge in chemical coagulation sedimentation tank and biological sludge in secondary sedimentation tank.
- The primary sedimentation tank of urban domestic sewage treatment plant contains sand sludge, secondary sedimentation tank biological sludge, and final sedimentation tank biological sludge (organic) drying.
- Dry treatment of chemical sludge, electroplating sludge, dyeing and finishing sludge, leather sludge, papermaking sludge, boiler soot, urban domestic sludge, kitchen sludge, industrial sludge, metal waste, etc.
- Residues from the pharmaceutical industry, residues from the sugar factory, residues from the monosodium glutamate factory, distiller's grains, bean residue, and other food and pharmaceutical industry residues.

Configuration diagram

| No | Component |
|----|---------------------|
| 1 | Material inlet |
| 2 | Exhaust gas outlet |
| 3 | Rake arm |
| 4 | Rake leaves |
| 5 | Heating plate |
| 6 | Outer shell |
| 7 | Steam inlet |
| 8 | Dry material outlet |
| 9 | Dry material outlet |
| 10 | Condensate outlet |
| 11 | Motor |
| 12 | Driving device |



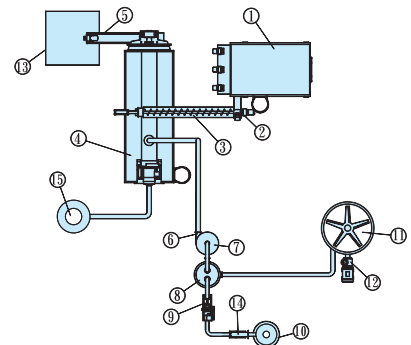
KV Series (vacuum disc type - batch processing)



Usages

- The best drying reduction system for chemical sludge and biological sludge.
- Electroplating sludge, boiler soot, terephthalic acid sludge, pharmaceutical factory waste residue, sugar factory waste residue, MSG factory waste residue, urban sludge, kitchen sludge, industrial sludge, bacterial residue powder.
- Soy sauce residue, lees, vinegar residue, food waste, apple residue, soybean meal, bio-residue mud.
- Suitable for slurry, paste and powdery sludge.
- Easily oxidized, strong irritant, highly toxic sludge.
- Requires the recovery of sludge from organic solvents.

Configuration diagram



Standard specifications (Contact for customized)

| Spec. | Model | KV-3TD | KV-6TD | KV-9TD | KV-12TD | KV-18TD | KV-36TD | KV-54TD |
|--|-------|---|---------|-----------|---------|-----------|---------|-----------|
| Capacity (ton/hr) (75% ~ 85% → 40%) | | 1 ~ 1.25 | 2 ~ 2.5 | 3 ~ 3.75 | 4 ~ 5 | 6 ~ 7.5 | 12 ~ 15 | 18 ~ 22.5 |
| Daily capacity (Ton/24hr) (75% ~ 85% → 40%) | | 3 ~ 3.75 | 6 ~ 7.5 | 9 ~ 11.25 | 12 ~ 15 | 18 ~ 22.5 | 36 ~ 45 | 54 ~ 67.5 |
| Sludge classification | | Organic / inorganic | | | | | | |
| Heat source | | Steam / hot kerosene | | | | | | |
| Highest treatable moisture content (%) | | 85 (depending on sludge type and moisture content) | | | | | | |
| Drying temperature (°C) | | 100 ~ 150 (depending on sludge type and moisture content) | | | | | | |
| Reference dimension (mm) | Φ | 1000 | 1300 | 1500 | 1700 | 1800 | 1800x2 | 1800x3 |
| | L | 2400 | 3600 | 5000 | 5000 | 5500 | 5500x2 | 5500x3 |
| Required space (mxm) | | 6x6 | 8x8 | 10x10 | 10x12 | 10x14 | 12x16 | 14x18 |

Remarks:

▲ Main equipment: material temporary storage tank, screw transport unit, dry reactor, condenser, gas water separator, vacuum pump, cooling water tower and water pump, windmill, cyclone dust collector, washing tower, load cell, electric Control system, pipeline insulation and installation test (steam boiler, fuel tank optional equipment).

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

| No | Component |
|----|---------------------|
| 1 | Sludge storage |
| 2 | Screw conveyor |
| 3 | Screw conveyor |
| 4 | Drying reactor |
| 5 | Screw conveyor |
| 6 | Cyclone |
| 7 | Gas water separator |
| 8 | Condenser |
| 9 | Vacuum pump |
| 10 | Scrubber |
| 11 | Cooling tower |
| 12 | Water pump |
| 13 | Dry sludge storage |
| 14 | Blower |
| 15 | Boiler |

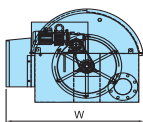
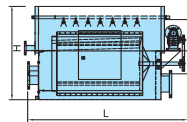
Reclaimed water recycling and clean water, pure water pretreatment filtration equipment

Micro screen filter

DF Series (inside screen type)



▲ (Aperture: 110~2500um)



Standard specifications (Contact for customized)

| Model | | DF-60 | DF-80 | DF-120 | DF-160 | DF-160L |
|--|----------|---|----------|----------|------------|------------|
| Spec. | | | | | | |
| Capacity (m³/hr) (clear water) (depending on the size of the mesh) | | 15 ~ 150 | 50 ~ 450 | 90 ~ 900 | 130 ~ 1200 | 170 ~ 1600 |
| Power usage (HP) | Standard | 1/4 | 1/2 | 1/2 | 1 | 1 |
| | Optional | Wash pump | | | | |
| Machine material | | Stainless steel SUS304 | | | | |
| | | Stainless steel SUS316 · other special material | | | | |
| Reference dimension (mm) | L | 1500 | 2250 | 2400 | 2400 | 3000 |
| | W | 1350 | 1500 | 2050 | 2430 | 2430 |
| | H | 1100 | 1400 | 1760 | 2170 | 2250 |
| Reference weight (kgs) | | 360 | 630 | 920 | 1350 | 1750 |

Remarks:

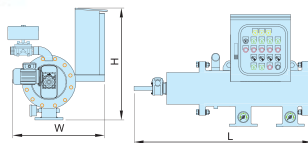
- ▲ The above table processing capacity is calculated based on the analysis of the filter specifications of 8 ~ 150 # mesh, based on the water quality close to clean water.
- ▲ Washing pump and sewage pump are optional, please contact us separately.
- ▲ Screen specifications are based on actual needs.
- ▲ The amount of treatment should be based on the screen aperture and water pollution.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- Remove suspended solids of fine particles with a particle size of 110 μm or more in waste water.
- The filtration of the secondary treatment sedimentation tank or the pressurized floating tank outflow water can replace the fine filtration of the sand filter bucket to achieve more stringent discharge standards.
- S.S. in the discharged water after industrial wastewater treatment and impurity filtration, removal and recycling.
- Fine suspended solids of three-stage wastewater treatment removes and filters.
- The process of various industries is filtered by water circulation (non-floating substances on liquid surface).
- River water/tap water/rainwater/groundwater impurities are filtered and separated.
- High-density aquaculture water purification and circulation filtration use.

Super intelligent precision differential pressure filter

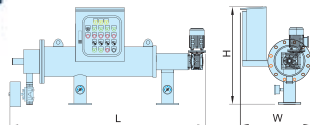
FA Series (self-suction)



Standard specifications (Contact for customized)

| Model | | FA-15 | FA-30 | FA-45 | FA-60 |
|----------------------------------|----------|---|-------|-------|-------|
| Spec. | | | | | |
| Maximum fresh water load (m³/hr) | | 80 | 150 | 250 | 400 |
| Filter area (cm²) | | 1500 | 3000 | 4500 | 6000 |
| Filter aperture (um) | | 10 ~ 800 | | | |
| Machine material | Standard | Stainless steel SUS304 | | | |
| | Optional | Stainless steel SUS316 · other special material | | | |
| Power usage (HP) | | 1/4 | 1/4 | 1/4 | 1/2 |
| Reference dimension (mm) | L | 1400 | 1750 | 1950 | 2200 |
| | W | 710 | 740 | 780 | 900 |
| | H | 790 | 820 | 900 | 930 |
| Reference weight (kgs) | | 170 | 220 | 290 | 380 |

FB Series (brush type)



Standard specifications (Contact for customized)

| Model | | FB6-60 | FB6-100 | FB8-100 | FB10-100 | FB12-100 |
|--|----------|---|----------|----------|----------|----------|
| Spec. | | | | | | |
| Maximum fresh water load (m³/hr) | | 150 | 250 | 340 | 450 | 540 |
| Filter area (cm²) | | 2700 | 4500 | 6000 | 7500 | 9000 |
| Filter aperture (um) | | 50 ~ 1000 | | | | |
| Machine material | Standard | Stainless steel SUS304 | | | | |
| | Optional | Stainless steel SUS316 · other special material | | | | |
| Power usage (HP) | | 1/4 | 1/4 | 1/4 | 1/2 | 1/2 |
| Filter barrel inner diameter x length (ø x mm) | | 150x600 | 150x1000 | 200x1000 | 250x1000 | 300x1000 |
| Reference dimension (mm) | L | 1000 | 1400 | 1750 | 1950 | 2200 |
| | W | 710 | 710 | 740 | 780 | 900 |
| | H | 790 | 790 | 820 | 880 | 950 |
| Reference weight (kgs) | | 100 | 130 | 180 | 230 | 290 |

Remarks:

- ▲ The washing pump and sewage pump are optional, please contact us separately.
- ▲ The above listed data is subject to the on-site process and water quality conditions.
- ▲ The above specifications are accepted and the company reserves the right to design changes.
- ▲ The above pictures are for reference only, subject to actual delivery.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- Pure water, reverse osmosis, ion exchange pretreatment.
- Groundwater and surface water derusting and filtering.
- Municipal green space spraying, agricultural spraying and irrigation water filtration.
- The medium water recovery water contains solid matter, granular (non-S.S.)... and other impurities.
- Steel, petrochemical, paper, metallurgy, heat treatment, central air conditioning and other cooling towers circulating water filtration.
- Car wash water filtration.
- Wimming pool circulation filtration, municipal water recycling and filtration.
- Filtration of production water and recycled water for the food industry.
- Household water supply and filtration of water during production.
- The equipment filters the water supply for those who have higher water quality requirements.
- The alcohol is filtered and purified after alcohol fermentation.

Reclaimed water recycling and clean water, pure water pretreatment filtration equipment

Automatic pressurized sand bed filter

SF Series



Standard specifications (Contact for customized)

| Spec. | Model | SF-05 | SF-08 | SF-11 | SF-14 | SF-16 | SF-20 | SF-24 | SF-28 | SF-30 |
|--------------------------------|-------|-------|--------|---------|---------|---------|---------|----------|----------|----------|
| Capacity (m³/hr) | | 2 ~ 6 | 5 ~ 15 | 10 ~ 30 | 15 ~ 45 | 20 ~ 60 | 30 ~ 90 | 45 ~ 135 | 61 ~ 180 | 70 ~ 210 |
| Filter area (m²) | | 0.2 | 0.5 | 1 | 1.6 | 2.0 | 3.0 | 4.5 | 6.1 | 7.0 |
| Inlet and outlet diameter (IN) | | 2" | 2" | 2" | 2" | 3" | 3" | 4" | 4" | 5" |
| Reference dimension (mm) | Φ | 500 | 800 | 1100 | 1400 | 1600 | 2000 | 2400 | 2800 | 3000 |
| | H | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Reference weight (kgs) | | 450 | 1090 | 1910 | 2890 | 3700 | 5590 | 8120 | 10840 | 12390 |

Remarks:

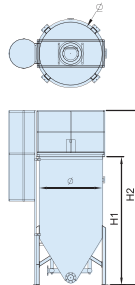
- ▲ S.S. is different in concentration, and the amount of treatment will vary depending on the particle size and concentration.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- Remove the pollutants from the cooling water and the process to minimize the deposits in the cooling tower water tank, condenser and heat exchanger.
- Filter factory wastewater to enable wastewater discharge to meet environmental regulations.
- Pre-treatment of reprocess the discharge or recycle.
- Pre-filtering of zoos, ponds, aquariums, landscape ponds, fountains, fish incubation tanks, reverse osmosis, and pre-filtration of industrial liquid recovery.

Automatic continuous flow sand bed filter equipment

SD Series (single machine model)



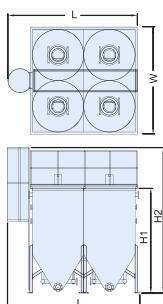
Standard specifications (Contact for customized)

| Spec. | Model | SD-5 | SD-10 | SD-12 | SD-15 | SD-20 |
|--------------------------|-------|-------|----------|--------|-----------|---------|
| Capacity (m³/hr) | | 3 ~ 5 | 7.5 ~ 10 | 9 ~ 12 | 11.5 ~ 15 | 15 ~ 20 |
| Filter area (m²) | | 0.5 | 1.0 | 1.2 | 1.5 | 2.0 |
| Reference dimension (mm) | Φ | 800 | 1150 | 1250 | 1400 | 1600 |
| | H1 | 3000 | 3000 | 3000 | 3000 | 3000 |
| | H2 | 4000 | 4000 | 4000 | 4000 | 4000 |
| Reference weight (kgs) | | 2720 | 4820 | 5600 | 6840 | 8300 |

Remarks:

- ▲ S.S. is different in concentration, and the amount of treatment will vary depending on the particle size and concentration.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

SDD Series (multiple sets of parallel type)



Standard specifications (Contact for customized)

| Spec. | Model | SDD-30 | SDD-40 | SDD-50 | SDD-70 | SDD-100 | SDD-170 | SDD-250 |
|---------------------------------|-------|--|---------|---------|---------|----------|-----------|-----------|
| Capacity (m³/hr) | | 18 ~ 30 | 24 ~ 40 | 30 ~ 50 | 42 ~ 70 | 70 ~ 100 | 102 ~ 170 | 150 ~ 250 |
| Filter area (m²) | | 3 | 4 | 5 | 7 | 10 | 17 | 25 |
| Air extraction sand washing set | | 2 | 2 | 3 | 4 | 6 | 10 | 14 |
| Reference dimension (mm) | L | Depending on the arrangement of the site | | | | | | |
| | W | Depending on the arrangement of the site | | | | | | |
| | H1 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| | H2 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 | 4000 |
| Reference weight (kgs) | | 13680 | 16600 | 22500 | 30000 | 45000 | 73500 | 103500 |

Remarks:

- ▲ S.S. is different in concentration, and the amount of treatment will vary depending on the particle size and concentration.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- Wastewater primary sedimentation, secondary sedimentation, final sedimentation, and floating water treatment : medium water recovery filtration, municipal sewage discharge, and commercial sewage discharge.
- Industrial water treatment : surface water purification, groundwater purification, reservoir lake purification.
- Recycled water treatment : Cooling water circulation culture water filtration landscape water filtration.
- Drinking water treatment : desalination treatment, surface water purification, groundwater purification, reservoir lake purification.
- The process liquid is used to remove the slag, and the process liquid is filtered and recovered.

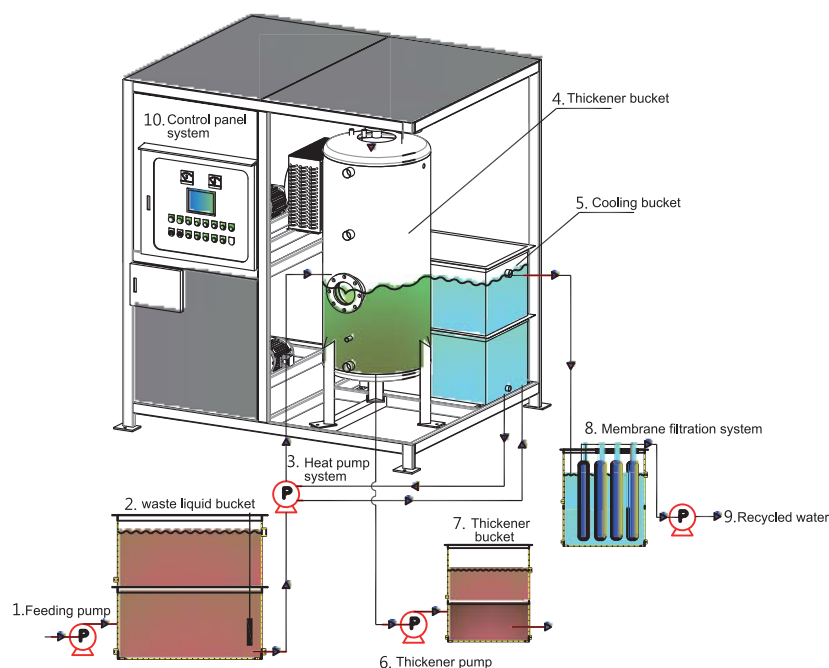
Industrial metal waste liquid and cutting waste liquid evaporation reduction processing equipment

Heat pump vacuum evaporation concentration reduction processor

CV Series (used in small factories)



YUAN CHANG



Standard specifications (Contact for customized)

| Model | | CV-25SS | CV-50SS | CV-25 | CV-50 | CV-100 | CV-150 | CV-200 |
|---|--------------------------|---------------------------------------|---------|---------|---------|----------|-----------|-----------|
| Spec. | | | | | | | | |
| Capacity (L/hr) | | 15 ~ 50 | 30 ~ 75 | 15 ~ 50 | 30 ~ 75 | 80 ~ 125 | 130 ~ 175 | 180 ~ 225 |
| Power consumption of removing water (KWH/L) | | 0.15 ~ 0.25 | | | | | | |
| Main body material | | S400 + Epoxy anti-corrosion treatment | | SUS304 | | | | |
| Vacuum degree (mmHG) | | - 700 ~ - 530 | | | | | | |
| Evaporation temperature (°C) | | 42 ~ 70 | | | | | | |
| Power usage (KW) | Compressor | 7.6 | 10.7 | 7.6 | 10.7 | 22.7 | 33.5 | 45.4 |
| | Water-sealed vacuum pump | 2.25 | 5.6 | 2.25 | 5.6 | 5.6 | 7.5 | 7.5 |
| Total power consumption (KWH) | | 11.15 | 17.8 | 11.15 | 17.8 | 29.8 | 41.5 | 54.4 |

Remarks:

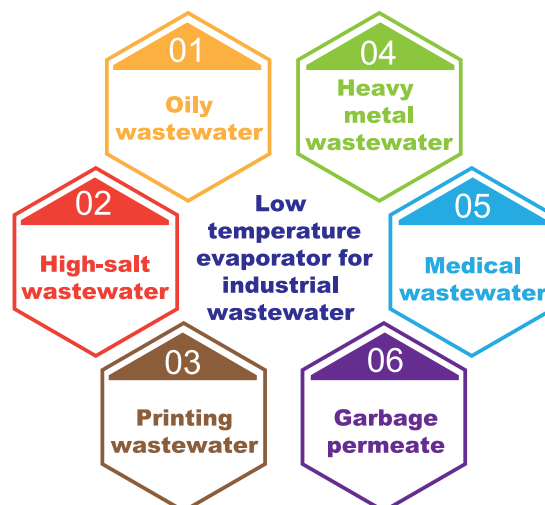
- ▲ The amount of treatment varies with different oil quality and oil concentration.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering

Principle

- ▶ The main unit consists of a refrigerant compressor, a heat exchanger, and a vacuum pump. The concentrated waste liquid in the concentration tank is concentrated several times and stored in a concentrate tank.
- ▶ Decompression distillation method is to automatically suck the waste liquid into the concentration tank, vaporize it by depressurization and low temperature boiling, and then turn it into condensed water through the cooling device.
- ▶ Using the working principle of the heat pump to heat the oil and water waste liquid, the vacuum pump draws a negative pressure to lower the boiling point and increases the evaporation amount. The ice water system condenses and evaporates the vapor to reduce the effect, and then filters and condenses the condensed water for reuse.
- ▶ Recycling of recycled water not only greatly reduces the total amount of waste liquid discharge, but also greatly reduces the cost of discharge treatment. At the same time, the reuse of condensed filtered water also saves water resources.

Features

- ★ Use a vacuum pump to draw waste liquid into the waste liquid heater.
- ★ The water-sealed vacuum pump vacuums the internal pressure of the concentrated barrel to a negative pressure.
- ★ Heat the concentrated barrel to a low temperature boiling temperature (42°C ~ 70°C).
- ★ Fully automatic and stable discharge of water quality is beneficial to "zero emission" and environmental protection.
- ★ Low-temperature vacuum distillation operation mode, equipment footprint is small, minimum operating cost, and COD value is greatly reduced.
- ★ The condensed water can be passed through a membrane filtration device to recycle water.



Industrial metal waste liquid and cutting waste liquid evaporation reduction processing equipment

Steam type waste liquid evaporation concentration reduction processing equipment (customized products)

GCV Series (large amount type of processing plant)



Standard specifications (Contact for customized)

| Model | | GCV-250 | GCV-500 | GCV-750 | GCV-1000 | GCV-1500 | GCV-2000 | GCV-3000 |
|---|--------------------------------|-------------|---------|---------|----------|----------|----------|----------|
| Spec. | | | | | | | | |
| Capacity (kg/hr) | | 250 | 500 | 750 | 1000 | 1500 | 2000 | 3000 |
| Daily capacity (ton/8hr) | | 2 | 4 | 6 | 8 | 12 | 16 | 24 |
| Steamconsumption of removing water (kg) | | About 1.2 | | | | | | |
| Vacuum degree (mmHG) | | -600 ~ -500 | | | | | | |
| Evaporation temperature (°C) | | 52 ~ 73 | | | | | | |
| Power usage (HP) | Reactor power | 2.5 | 5 | 7.5 | 10 | 15 | 20 | 30 |
| | Water-sealed vacuum pump power | 5 | 10 | 15 | 20 | 30 | 40 | 60 |

Remarks:

- ▲ The amount of treatment varies with different oil concentrations.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Principle

- Evaporation is a method of separation and purification, which includes two procedures of gasification and condensation. Evaporate the waste liquid to obtain sufficient energy to vaporize, condense through the condensation tube to discharge the condensate, and finally collect the evaporated concentrate.
- Evaporation reduction is to automatically attract the waste liquid into the evaporation barrel, vaporize it by depressurization and low temperature boiling, and then make it into condensed water through the cooling device.
- The advantage of vacuum evaporation is that it can be prevented from decomposing when heated at high temperatures. In addition, the required temperature is lower, and a lower temperature heat source can be used, which is safer and more energy efficient.

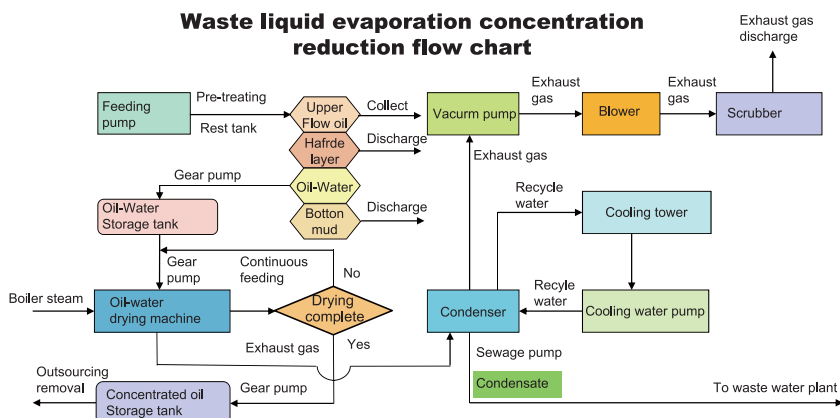
Comprehensive usages

- Concentration and reduction of metal processing cutting oil and water waste liquid.
- Concentration and reduction of electroplating waste water and surface treatment.
- Concentration and reduction of waste water in degreasing, leather industry, dyeing and finishing industry.
- Water-soluble paint, varnish wash, dampening water waste liquid concentration reduction.
- Concentration of food processing waste liquid, chemical wastewater, papermaking wastewater.
- Salt production, concentrated brine crystallization.
- Concentration process of Chinese medicine, milk, sugar liquid, fruit juice and beverage.
- Inorganic organic pollutants and organic wastewater and mixed wastewater containing inorganic substances.

Features

- ★ Use a vacuum pump to draw waste liquid into the waste liquid heater.
- ★ The water-sealed vacuum pump vacuums the internal pressure of the concentrated barrel to a negative pressure.
- ★ Heat the concentrated barrel to a low temperature boiling temperature (52°C ~ 73°C).
- ★ Fully automatic and stable discharge of water quality is beneficial to "zero emission" and environmental protection.
- ★ Low-temperature vacuum distillation operation mode, equipment footprint is small, minimum operating cost, and COD value is greatly reduced.

Processing flow chart (for reference only)



Complete set of processing equipment for producing organic fertilizer or biogas from kitchen waste, fruit and vegetable waste, and poultry and livestock manures

Special solid and liquid separation extruder for poultry and livestock manures

SE-S Series (light load type)



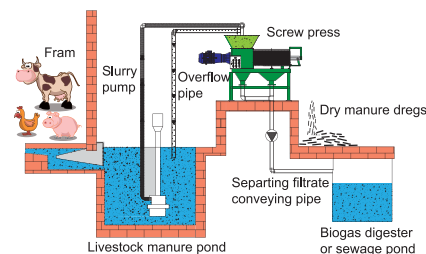
Standard specifications (Contact for customized)

| Model | SE-20S | SE-25S | SE-30S | SE-35S | SE-40S | SE-50S |
|--------------------------|--------|---------|---------|---------|---------|---------|
| Capacity (m³/hr) | 5 ~ 8 | 10 ~ 15 | 20 ~ 30 | 20 ~ 40 | 40 ~ 60 | 65 ~ 85 |
| Drive power (HP) | 5 | 10 | 10 | 20 | 20 | 30 |
| Reference dimension (mm) | L | 2220 | 2580 | 2760 | 3280 | 3860 |
| | W | 1040 | 1090 | 1090 | 1190 | 1340 |
| | H | 1850 | 2000 | 2050 | 2350 | 2850 |
| Reference weight (kgs) | 660 | 850 | 960 | 1380 | 1570 | 2090 |

Remarks:

- ▲ The amount of treatment and moisture content will vary depending on the type of manure and the solid content.
- ▲ The driving horsepower and the amount of processing will vary depending on the type of manure.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Processing flow chart



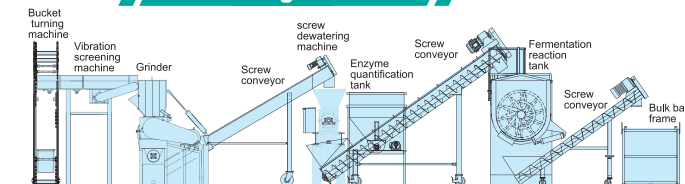
Usages

- ◎ A professional solid-liquid separation processor for livestock manure such as pig manure, cow dung, sheep manure, chicken manure, and duck manure.
- ◎ Water filled manure, urinary dung, biogas residue, biogas liquid solid / liquid separation extruder.

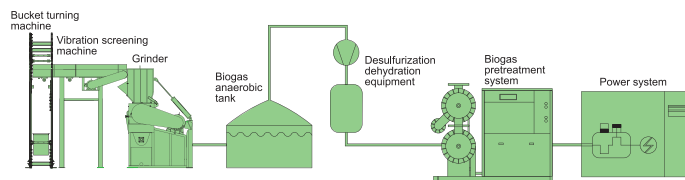
FP Series Small-scale poultry manure rapid fermentation machine



Processing flow chart



★ Kitchen waste made of organic fertilizer processing flow reference chart



★ Biogas power generation processing flow reference chart



Standard specifications (Contact for customized)

| Model | FP-2 | FP-3 | FP-4 | FP-7 |
|---------------------------|-----------|-----------|-----------|-----------|
| Tank volume (m³) | 2.0 | 3.2 | 4.2 | 7.6 |
| Stirring drive power (KW) | 7.5 | 11.25 | 18.75 | 30 |
| Heating power (KW) | 24 | 36 | 48 | 84 |
| Kerosene temperature (°C) | 150 ~ 230 | 150 ~ 230 | 150 ~ 230 | 150 ~ 230 |

Remarks:

- ▲ The amount of treatment and moisture content will vary depending on the type of manure and the solid content.
- ▲ The driving horsepower and the amount of processing will vary depending on the type of manure.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

- ◎ Cattle, pigs, chicken, duck and goose feces are quickly ripened to make organic fertilizer.
- ◎ General chicken and duck farm manure waste is made into fertilizer.
- ◎ General livestock farm waste is made into fertilizer.

Features

- ★ Easy operation, general farmers can operate on their own.
- ★ Small footprint saves space and can be processed efficiently without additional equipment.
- ★ In the case of proper amount of enzyme, fermentation and decomposing can be completed in one day, which is shorter than the traditional fermentation time.
- ★ High-quality organic fertilizer production and quality are stable, and the production process is not affected by the natural environment.
- ★ Most of the parts that come into direct contact with the fertilizer are made of stainless steel, and the equipment is durable for a long time.

FL Series A large amount of poultry manure rapid fermentation composting equipment



Standard specifications (Contact for customized)

| Model | FL-20 | FL-40 | FL-70 | FL-100 |
|----------------------|-----------------|-------|-------|--------|
| Tank volume (m³) | 20 | 40 | 70 | 100 |
| Power usage (KW) | Driver | 7.5 | 15 | 22.5 |
| | Blower | 2.25 | 4.5 | 7.5 |
| | Ventilation fan | 0.375 | 0.75 | 1.125 |
| Optional heater (KW) | 5 | 10 | 15 | 20 |

Remarks:

- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Features

- ★ The upright setting saves space and can be processed efficiently without additional equipment. The fully automated production saves energy and labor costs.
- ★ In the case of appropriate amount of fungi and excipients, it takes only 7 days to complete the fermentation and decomposing, which is much shorter than the traditional fermentation time.
- ★ High-quality organic fertilizer, stable quality, the production process is not affected by the temperature and humidity of the natural environment, and the quality meets the agricultural production standards.
- ★ Most of the parts that are in direct contact with the scrap are made of stainless steel to ensure long life and durability.

Usages

- ◎ The restaurant family cooked raw kitchen waste to make fertilizer.
- ◎ General chicken and duck farm manure waste is made into fertilizer.
- ◎ General livestock farm waste waste is made into fertilizer.

Complete set of processing equipment for producing organic fertilizer or biogas from kitchen waste, fruit and vegetable waste, and poultry and livestock manures

A large amount of kitchen waste, fruit and vegetable waste special screw dewatering machine

SK Series



Standard specifications (Contact for customized)

| Spec. | Model | SK-25 | SK-35 | SK-40 | SK-50 | SK-60 |
|--------------------------|-------|---------|---------|---------|---------|----------|
| Tank volume (m³/hr) | | 1 ~ 2.5 | 2 ~ 9 | 8 ~ 16 | 15 ~ 20 | 20 ~ 35 |
| Drive power (HP) | | 5 ~ 10 | 10 ~ 20 | 15 ~ 30 | 30 ~ 75 | 50 ~ 100 |
| Reference dimension (mm) | L | 2900 | 3500 | 3700 | 4450 | 5800 |
| | W | 900 | 1000 | 1350 | 1500 | 1800 |
| | H | 1550 | 2000 | 2500 | 2000 | 2300 |
| Reference weight (kgs) | | 800 | 1500 | 2800 | 4500 | 6500 |

Remarks:

- ▲ The amount of treatment and water content vary depending on the physical properties, type and solid content.
- ▲ The driving horsepower and the amount of processing will vary depending on the type of physical property.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Usages

©The livestock farm manure and waste and the commercial waste are made into fertilizer.

Small kitchen waste decomposition fermentation processor

RE Series



Standard specifications (Contact for customized)

| Spec. | Model | RE-50 | RE-100 | RE-200 | RE-300 | RE-500 |
|--------------------------|--------|-------|--------|--------|--------|--------|
| Capacity (kg/day) | | 50 | 100 | 200 | 300 | 500 |
| Power usage (kw/hr) | Motor | 0.2 | 0.4 | 0.75 | 1.5 | 2.2 |
| | Heater | 0.6 | 0.6 | 0.9 | 2.0 | 3.0 |
| Reference dimension (mm) | L | 1050 | 1280 | 1780 | 2130 | 2270 |
| | W | 860 | 910 | 1010 | 1240 | 1300 |
| | H | 1100 | 1200 | 1290 | 1440 | 1610 |
| Reference weight (kgs) | | 150 | 260 | 420 | 630 | 900 |

Usages

- ©Households cooked raw kitchen waste to make fertilizer.
- ©Restaurants, hostels, schools, military units, buildings, communities, fish, fruit and vegetable markets are made of organic fertilizer.

A large amount of kitchen waste, fruit and vegetable waste, and livestock manure made into organic fertilizer processing equipment (rotary kiln type)

RD Series (customized products)

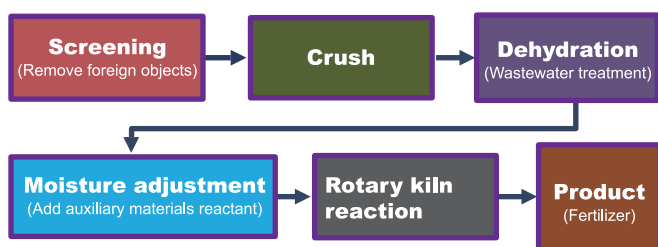


Usages

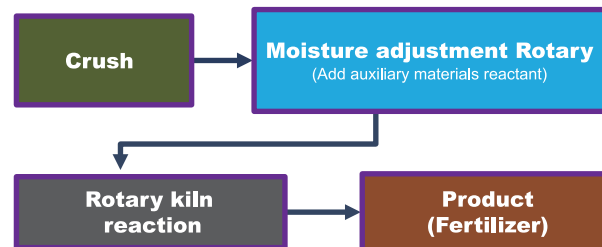
- ©Family kitchen waste, restaurant kitchen waste quickly matured into organic fertilizer application.
- ©The use of cattle, pigs and chicken manure for rapid ripening to make organic fertilizer.
- ©Market waste (vegetable leaves, vegetable stems, spoilage) to deal with the rapid use of organic fertilizer.
- ©Using the process of screening (artificial), crushing, adding enzymes & sub-materials, spiral extrusion dehydration, enzyme pyrolysis, drying & sterilization... to achieve rapid economic benefits.
- ©Continuous treatment, the enzyme decomposition time is short and the effect is good.
- ©Original material handling capacity (Ton/hr): 1, 2, 3, 4, 5, 7.5, 10, 15, 20, 25 (200Ton/8hr).

Processing flow chart

➤ Fruit and vegetable market restaurant family kitchen waste treatment process



➤ Farm animal husbandry and poultry waste disposal process

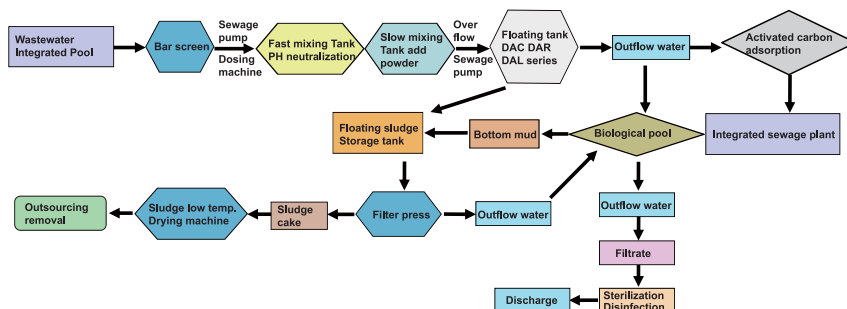


Green energy environmental protection and other related products

Small sewage treatment system (Packaged product)



Package type small sewage treatment flowchart



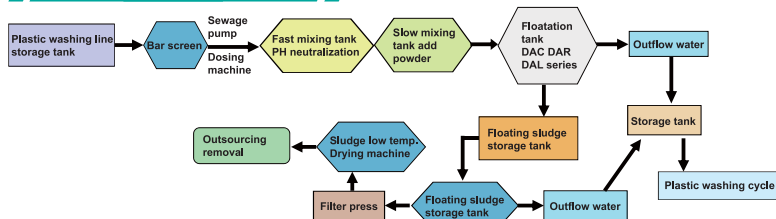
Usages

- ⊙ According to different industrial wastewater design and design.
- ⊙ Limit the amount of wastewater to be used below 200M³/day.

Waste plastic cleaning line sewage treatment equipment (Packaged product)



Processing flow chart



Usages

- ⊙ Circulating water filtration and recycling of waste plastic washing water system.
- ⊙ It can remove S.S. in water and achieve the purpose of recycling.
- ⊙ Continuous treatment, the process water is not interrupted, which can save water waste.
- ⊙ S.S. is partially processed by the frame machine and directly concentrated and filtered to make mud cake (convenient for clearing and transportation).
- ⊙ Solve the problem of water and sewage in waste plastic recycling industry, reduce production cost and increase production capacity.
- ⊙ This equipment has passed CE safety certification.
- ⊙ Processing capacity: 20, 30, 40, 50, 75, 100, 150, 200 M³/hr, etc. (depending on the concentration of sewage).

Filter plate, filter cloth, filter belt manufacturing



Usages

- ⊙ The filter belt is made of polyester (P.E.S. polyester fiber) with good water filtration and chemical resistance and long service life.
- ⊙ P.P. engineering plastic filter plate, diaphragm type secondary pressure filter plate, integrated processing and molding, light weight, good chemical resistance, good sealing, durable and non-deformation, long service life.
- ⊙ The filter cloth is mainly made of P.P. material, and various materials and densities are used together with various sludge properties.

Micro (green) algae harvesting machine ★ Taiwan Industrial Technology Research Institute Technology Transfer Cooperation

Usages

- ⊙ Microalgae/green algae harvested water filtration.
- ⊙ The active viscosity is higher, and the biological particles such as sludge concentration are separated.
- ⊙ Industrial solid-liquid separation process.
- ⊙ Pharmaceutical and vaccine purification and filtration.



▲ Multi-layer filter (Aperture 30~300μm)



▲ Tilt filter



Filtering, thickening, dehydration and drying equipment in various industrial processes

Coarse/fine filtration equipment

Solid / liquid separation fine screening machine series



(▲ Inner wheel screen / grid width 0.5 ~ 3.0 mm) (▲ Outer wheel screen / grid width 0.5 ~ 3.0 mm) (▲ Slant screen / grid width 0.5 ~ 3.0 mm)

Application industries and usages

- ◎ Filter separation and removal of dross and particulate matter in the food industry process.
- ◎ Removal of crumb solids from the slaughter industry, the meat processing industry, and the fish processing industry.
- ◎ Raw material filtration and recycling in brewing, miso, filling, starch factory and various food processing factories.
- ◎ Remove the slag from the lightly polluted water recovery cycle after the process cleaning material.
- ◎ Soybeans, soybeans and beans are cleaned and filtered.
- ◎ The fine shrimp and small fish are separated after washing.
- ◎ Recycling and recycling of raw materials in the paper and pulp industry.

Thickening equipment

Drum type / gravity filter belt thickener



Application industries and usages

- ◎ Food industry brewing, miso, filling, starch and processing of raw materials in the processing process.
- ◎ The slag particles in the wine making and pickling industries are filtered and removed.
- ◎ Solid/liquid separation and concentration of food process materials.
- ◎ Solid/liquid separation of fruit and vegetable processing industries.
- ◎ Filtering of drinking water residue.
- ◎ Solid/liquid separation treatment in industrial processes such as pulp, fiber, chemical, food, plastics, metallurgy, mining, etc.
- ◎ Separation of solid and liquid in industrial processes such as pulp, fiber, chemical, food, plastics, metallurgy, mining, etc.

Metering feeder equipment

Automatic powder preparation machine



Application industries and usages

- ◎ All kinds of dry powder, granules and fibrous materials in various industrial processes (eg food, chemical, dyeing and finishing, papermaking, etc.).
- ◎ Water plant flocculant dosage treatment.
- ◎ Paper mill sewage treatment and recovery equipment materials are added.

Powder dissolving automatic foaming machine



Application industries and usages

- ◎ Dissolve and dissolve all kinds of dry powder, granules and concentrate powder.
- ◎ Preparation of the solution concentration of the process materials.
- ◎ Powder mixing reaction preparation.
- ◎ All kinds of juice feed modulation.
- ◎ Additions and drug dissolution modulation in the chemical process.
- ◎ Concentration adjustment preparation in chemical pharmaceuticals.

Filtering, thickening, dehydration and drying equipment in various industrial processes

Dewatering equipment

Small experimental filter presses



(Standard type : Naked type)



★ This model is particularly suitable for a small amount of sludge or food, chemical, manufacturing (medicine) drugs, dye (pigment) materials, the recycling industry and other processes used in the experimental tests

★ You can also order a desktop micro-tester. Please contact us for specifications.

Standard specifications (Contact for customized)

| Model | Filter cake pres type | Filter plate type | Filter plate size & quantity (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Naked type) (Not included base frame height) L x W x H (mm) | Reference weight (kgs) | Filter plate lock type |
|--------------|-------------------------------------|-------------------|---|-------------------------------|--|---|------------------------|---------------------------------|
| TC0 - 30 - 5 | One time feed press | Chamber plate | 300 x 5 | 0.5 | 4 | 1300x760x1330 | 280 | Operated by pneumatic hydraulic |
| - 10 | | | x 10 | 1.2 | 10 | 1500x760x1330 | 320 | |
| - 15 | | | x 15 | 1.8 | 15 | 1700x760x1330 | 360 | |
| TM0 - 30 - 5 | Second time membrane pressurization | Membrane plate | 300 x 5 | 0.36 | 4 | 1800x780x1500 | 360 | Operated by pneumatic hydraulic |
| - 10 | | | x 10 | 0.81 | 9 | 2200x780x1500 | 400 | |
| - 15 | | | x 15 | 1.26 | 14 | 2550x780x1500 | 480 | |

Remarks :

▲ Another 16kg/cm² class, model front +H (optional)

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

Single-plate type / membrane type filter press dewatering machine (please refer to various model specifications)

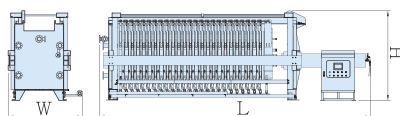


Application industries and usages

- ◎ Food , pharmacy , chemical industry , dye (pigment), ceramics, stone industry, metallurgy, mining and the relative industrial process , solid and liquid separation dehydrating treatment.
- ◎ The semi-liquid and liquid materials solid/liquid separation dewatering process.
- ◎ Solid-liquid separation press filter for fruit wine.
- ◎ Chicken cooked and filter pressed into chicken soup.
- ◎ Dried slurry type filter press dewatering.
- ◎ Press manufacturing of all kinds of edible oil.
- ◎ Honey press manufacturing.
- ◎ Maple syrup press manufacturing.

TL / TLM Membrane plate fully automatic type (Filter clothes moving) series

(Full automatic start-up, dewatering, unloading, filter cloth cleaning, free manual operation)



(Standard type : Naked type)

Application industries and usages

- ◎ It can be fully automated from start-up, dewatering, unloading, and cleaning.
- ◎ Filter cloth walking design, the mud cake can be completely removed, and it can be completely free of manual operation, a revolutionary new initiative.
- ◎ Using the best weapon of "Ai Industrial Artificial Intelligence" in various industrial processes.
- ◎ Chemical and pharmaceutical industry: solid-liquid separation of chemical raw materials and process filtration and dehydration equipment.
- ◎ Food processing industry: soy sauce vinegar, fruit juice, soy milk, wine making and other filtration processes.
- ◎ Solid / liquid separation and dehydration in the process of making (medical) medicine, dyeing (pigment) materials, pottery (porcelain) soil, recycling, grinding, stone, metallurgy and other related industrial processes
- ◎ Mining sand and gravel industry: solid-liquid separation and dewatering equipment such as cement plants, sand quarries, coal mines, and metal mines.

Standard specifications (Contact for customized)

| Model | Filter cake pres type | Filter plate type | Filter plate size & quantity (mm / piece) | Filter area (M ²) | Treating capacity (Sludge cake volume) (Liter / Lot) | Ref. Machine dimension (Naked type) (Not included base frame height) L x W x H (mm) |
|----------------|-------------------------------------|---|---|-------------------------------|--|---|
| TL - 63 - 20 | One time feed press | Mine type Chamber type | 630 x 20 | 11.8 | 167 | 5950x1500x2250 |
| - 30 | | | x 30 | 18.0 | 255 | 8710x1500x2250 |
| - 40 | | | x 40 | 24.2 | 343 | 9670x1500x2250 |
| TL - 100 - 20 | | | 1000 x 20 | 30.8 | 518 | 6930x1880x2640 |
| - 30 | | | x 30 | 47.0 | 791 | 9030x1880x2640 |
| - 40 | | | x 40 | 63.2 | 1064 | 11100x1880x2640 |
| TL - 150 - 20 | Second time membrane pressurization | Mine type Chamber type + Membrane plate | 1500 x 20 | 81.7 | 1360 | 7450x2550x3300 |
| - 30 | | | x 30 | 124.7 | 2076 | 9790x2550x3300 |
| - 40 | | | x 40 | 166.7 | 2792 | 12130x2550x3300 |
| TLM - 63 - 21 | | | 630 x 21 | 12.6 | 183 | 6180x1500x2250 |
| - 31 | | | x 31 | 18.9 | 274 | 8040x1500x2250 |
| - 41 | | | x 41 | 25.2 | 366 | 9900x1500x2250 |
| TLM - 100 - 21 | | | 1000 x 21 | 34.5 | 558 | 7140x1880x2640 |
| - 31 | | | x 31 | 51.7 | 837 | 9240x1880x2640 |
| - 41 | | | x 41 | 68.9 | 1116 | 11350x1880x2640 |
| TLM - 150 - 21 | | | 1500 x 21 | 87.6 | 1448 | 7670x2550x3300 |
| - 31 | | | x 31 | 131.4 | 2172 | 10010x2550x3300 |
| - 41 | | | x 41 | 175.2 | 2896 | 12320x2550x3300 |

Remarks :

▲ The conveyor type , Auto filtrate guard type is optional.

▲ Another 16kg/cm² class, model front +H (optional).

▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.

▲ Please ask for the actual installation dimension drawing before ordering.

Filter belt dewatering machine



Application industries and usages

- ◎ The solid-liquid separation and dewatering treatment of the process materials of the food industry.
- ◎ Dehydration treatment of raw and cooked fruits and vegetables after crushing or crushing of materials.
- ◎ Manufacture of semi-solid fillings such as red bean mung bean paste.
- ◎ Fruit jam is dehydrated and concentrated.
- ◎ After the squid slurry is rinsed, the dewatering moisture content is reduced from 90% to 80% to increase the gelatinization of the fish paste.

The use of cake making factory



Filtering, thickening, dehydration and drying equipment in various industrial processes

Dehydration equipment

SE Series (medium load type) screw extrusion dewatering machine



Standard specifications (Contact for customized)

| Spec. | Model | SE-20 | SE-25 | SE-30 | SE-35 | SE-40 | SE-50 |
|-------------------------------|-------|-------|---------|---------|---------|---------|---------|
| Capacity (m ³ /hr) | | 5 ~ 8 | 10 ~ 15 | 20 ~ 30 | 20 ~ 40 | 40 ~ 60 | 65 ~ 85 |
| Drive power (HP) | | 7.5 | 15 | 15 | 25 | 25 | 50 |
| Reference dimension (mm) | L | 2420 | 2980 | 3200 | 3650 | 3900 | 4460 |
| | W | 1040 | 1090 | 1090 | 1190 | 1190 | 1340 |
| | H | 1500 | 1650 | 1700 | 1950 | 2000 | 2400 |
| Reference weight (kgs) | | 740 | 950 | 1050 | 1450 | 1690 | 2300 |

Remarks:

- ▲ The amount of treatment and water content vary depending on the physical properties, type and solid content.
- ▲ The driving horsepower and the amount of processing will vary depending on the type of physical property.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

SK Series (heavy load type) screw extrusion dewatering machine



Standard specifications (Contact for customized)

| Spec. | Model | SK-25 | SK-35 | SK-40 | SK-50 | SK-60 |
|-------------------------------|-------|---------|---------|---------|---------|----------|
| Capacity (m ³ /hr) | | 1 ~ 2.5 | 2 ~ 9 | 8 ~ 16 | 15 ~ 20 | 20 ~ 35 |
| Drive power (HP) | | 5 ~ 10 | 10 ~ 20 | 15 ~ 30 | 30 ~ 75 | 50 ~ 100 |
| Reference dimension (mm) | L | 2900 | 3500 | 3700 | 4450 | 5800 |
| | W | 900 | 1000 | 1350 | 1500 | 1800 |
| | H | 1550 | 2000 | 2500 | 2000 | 2300 |
| Reference weight (kgs) | | 800 | 1500 | 2800 | 4500 | 6500 |

Remarks:

- ▲ The amount of treatment and water content vary depending on the physical properties, type and solid content.
- ▲ The driving horsepower and the amount of processing will vary depending on the type of physical property.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

SE/SK Application industries and usages

- ◎ Distiller's grains, beer grains, soy sauce, pomace, cassava residue, tea residue, coffee grounds, bagasse, Chinese medicine residue, sweet potato residue, starch residue, vegetable market leaves and undercuts, fiber materials, raw / cooked kitchen waste, aquatic products Solid/liquid separation and dewatering of materials from various industries such as processing, wood chips, paper mill pulp, chemical industry, and slaughterhouse sewage.
- ◎ The process is broken or pulverized, the cooked material is solid/liquid separated, squeezed and dehydrated, and the fiber and the granular material are extruded and dehydrated.
- ◎ Dehydration of dregs, fibrous and granular related substances in various industrial processes.

SY2 Series (twin screw heavy load type) screw extrusion dewatering machine



★ The main feature of this model:

For materials that are particularly difficult to squeeze, because the single-screw type is easy to produce the axle, the material cannot be pushed forward, and the equipment will not be used. The company has developed a double-spiral type. It can be used for materials that are particularly difficult to handle, such as fish oil and fish. Pulp, meat quality, potato skin, feed, beets, etc... are especially suitable.

Standard specifications (Contact for customized)

| Spec. | Model | SY2-15 | SY2-20 | SY2-30 | SY2-40 | SY2-50 | SY2-60 |
|-------------------------------|-------|-----------|-----------|-----------|----------|---------|---------|
| Capacity (m ³ /hr) | | 0.5 ~ 1.0 | 1.0 ~ 2.5 | 2.0 ~ 6.0 | 5.0 ~ 12 | 10 ~ 25 | 20 ~ 40 |
| Drive power (HP) | | 3 ~ 5 | 7.5 ~ 10 | 10 ~ 15 | 20 ~ 25 | 30 ~ 50 | 40 ~ 75 |
| Reference dimension (mm) | L | 3100 | 3600 | 4500 | 5400 | 6300 | 7100 |
| | W | 1150 | 1250 | 1350 | 1500 | 1650 | 1800 |
| | H | 1750 | 1800 | 1900 | 2000 | 2000 | 2100 |
| Reference weight (kgs) | | 2200 | 3000 | 3600 | 5400 | 7600 | 10500 |

Remarks:

- ▲ The amount of treatment and water content vary depending on the physical properties, type and solid content.
- ▲ The driving horsepower and the amount of processing will vary depending on the type of physical property.
- ▲ The specifications are accepted outside the specification, and the company reserves the right to design changes.
- ▲ Please ask for the actual installation dimension drawing before ordering.

Features

- ★ The SY2 spiral step-by-step extruder is a press separation device that can be continuously operated for the extrusion of liquids from organic materials and the separation of inorganic materials and slag. The separator belongs to the design and change of the most advanced screw extruder.
- ★ The screen is not clogged and there are no special requirements for feed concentration, viscosity, enthalpy, and particle size and fiber length.
- ★ The press can run stably and smoothly, the failure rate is low, the operation and maintenance cost is low, and the extremely high dehydration rate is its dewatering machines, bringing considerable economic benefits to waste recycling.
- ★ It is especially suitable for assembly line operations, which avoids the disadvantages of ordinary presses requiring centralized processing. The complex materials for the slag are not afraid of wear and tear, and the effluent is smooth. The main purpose is to achieve the purpose of press separation due to the effective cooperation between the spiral and the screen.
- ★ The extrusion separator successfully solves the problem of screen clogging. The core technology is the cooperation of the screw and the screen to realize the self-cleaning function of the screen. The special device and the spiral realize the interaction to stir the animal material, and avoid the material to hold the shaft. Second, the material realizes that the material particles squeeze out the blockage of the screen during the spiral forward advancement process.
- ★ The tail outlet end control is different from the common springs, hydraulics, handwheels, etc. on the market, and the pneumatic device with extremely low maintenance cost is used to effectively realize the "back pressure" control of the material pressing through a specific design, that is, setting a certain after the pressing pressure, the device automatically realizes the control of the pressing force of the material to avoid the slag drying and wetting. At the same time, the extrusion separator is especially suitable for the assembly line because of the sequential compression principle, which avoids the need for the common press to concentrate. Disadvantages of handling.
- ★ The press screen is composed of two semi-circular screens. For the food processing and fruit and vegetable processing industries, it can be easily dismantled and thoroughly cleaned.

Application industries and usages

- ◎ The juice of fruits and vegetables and the roots, stems, leaves and fruits are hydraulically pressed.
- ◎ Food processing solid-liquid separation and crushing dewatering of waste residue: glutinous rice distiller's grains, seafood waste, various Chinese medicine slag, various tea slag, vinegar grains, beer slag, coffee grounds, corn husk, furfural residue, fish paste, shrimp residue, chicken feather chicken slag and so on.
- ◎ Energy and material processing solid-liquid separation and crushing and dewatering of waste residue: biogas slag, sweet sorghum, oil residue, etc.
- ◎ Press and dehydrate the fruits and vegetables, kitchen waste, domestic garbage and food waste.



Filtering, thickening, dehydration and drying equipment in various industrial processes

Drying Equipment

Low temperature (cold air) dehumidification drying equipment

 **Certificate No. : M585786**



▲ batch processing



▲ continuous processing

Application industries and usages

▲ Applicable to biotechnology, pharmacy, chemical industry, mushrooms, Chinese medicinal materials, tea, fruits, vegetables, agricultural products, wood, etc.

Vegetables :

Burdock, lotus seeds, pepper, golden needles, green onions, garlic, onions, lentils, potatoes.

Mushrooms :

Fungus, tremella, shiitake, straw mushroom, pleurotus eryngii, flammulina velutipes, mushroom, vegetarian products.

Fruits :

Apple, pineapple, mango, star fruit, guava, strawberry, chestnut, grape, almond, tea, flower tea, flower material, flower.

Enzymes :

Protein enzymes, amylases, papaya enzymes, natural vitamins.

Chinese herbal medicine :

American ginseng, Korean ginseng, bird's nest, ganoderma, red date, black date, wolfberry, cinnamon.

Fish products :

Dried fish, shark fin, shark skin, sea cucumber, jellyfish skin, scallop, kelp, seaweed.

Hot air type drying equipment



▲ batch processing



▲ continuous processing

Application industries and usages

◎ Pre-heating / dehumidifying / heating / baking / drying of various process products: food, pharmaceutical, chemical electronics, electrical machinery, electroplating, plastics, hardware, screen printing, baking paint, shoe making.

◎ Drying of various foods: whole grains, herbs, mango, persimmon, lychee, longan, peanut, roselle, corn, rice, golden needles, coffee, dried fish, fruits and vegetables, chrysanthemums, fruits, vegetables, Chinese herbs, mushrooms, mushrooms, fish, tea, preserves, shiitake mushrooms, shredded pork, meat cubes, fish shreds, rice crackers, coriander, etc.

Tower disk type drying equipment



▲ continuous processing

Application industries and usages

▲ Applicable materials: drying / pyrolysis / firing / cooling / reaction / sublimation.

Organic chemical products :

polyvinyl chloride resin, polytetrafluoroethylene resin, fumaric acid, anthraquinone, nitroanthraquinone, p-aminophenol, melamine, cyanuric acid, p-aminobenzenesulfonic acid, antioxidant 168, naphthol As, hard fatty acid salts, aniline, nitroaniline, dipentaerythritol, chlorinated paraffin, calcium formate, triethylenediamine, sodium phenylsulfinate, isophthalic acid, sodium dimethyl pentasulfonate, thiourea, oil-soluble aniline organic chemical raw materials and intermediates such as black dye and acid black dye.

Inorganic chemical products :

light calcium carbonate, activated calcium carbonate, nano-sized ultrafine calcium carbonate, magnesium carbonate, aluminum hydroxide, white gray black, strontium carbonate, barium carbonate, potassium carbonate, Lithium powder, insurance powder, barium sulfate, potassium sulfate, microspheres catalyst, magnesium hydroxide, copper sulfate, nickel sulfate, ammonium nickelate, sodium molybdate, sodium chloride, cryolite, iron oxide red, lithium hydroxide, nickel hydroxide, zirconium hydroxide, calcium phosphate, sulfur, and the like.

Medicine and food :

Ampicillin, deng salt, L-phenylglycine and intermediates, ceftio, ceftriaxime, analgin, cimetidine, vitamin B12, vitamin C, medicinal salts, medicinal aluminum hydroxide, medicinal magnesium silicate, caffeine, tea, flower extract, ginkgo leaf, chocolate powder, starch, corn germ and other raw materials and pharmaceutical intermediates.

Feed and fertilizer :

Potassium carbonate, biological potassium fertilizer, protein feed, chlortetracycline for feed, mycelium, bran, leas, grain, seeds, herbicides, cellulose, calcium dibasic phosphate for feed, etc.

Vacuum disk type drying equipment



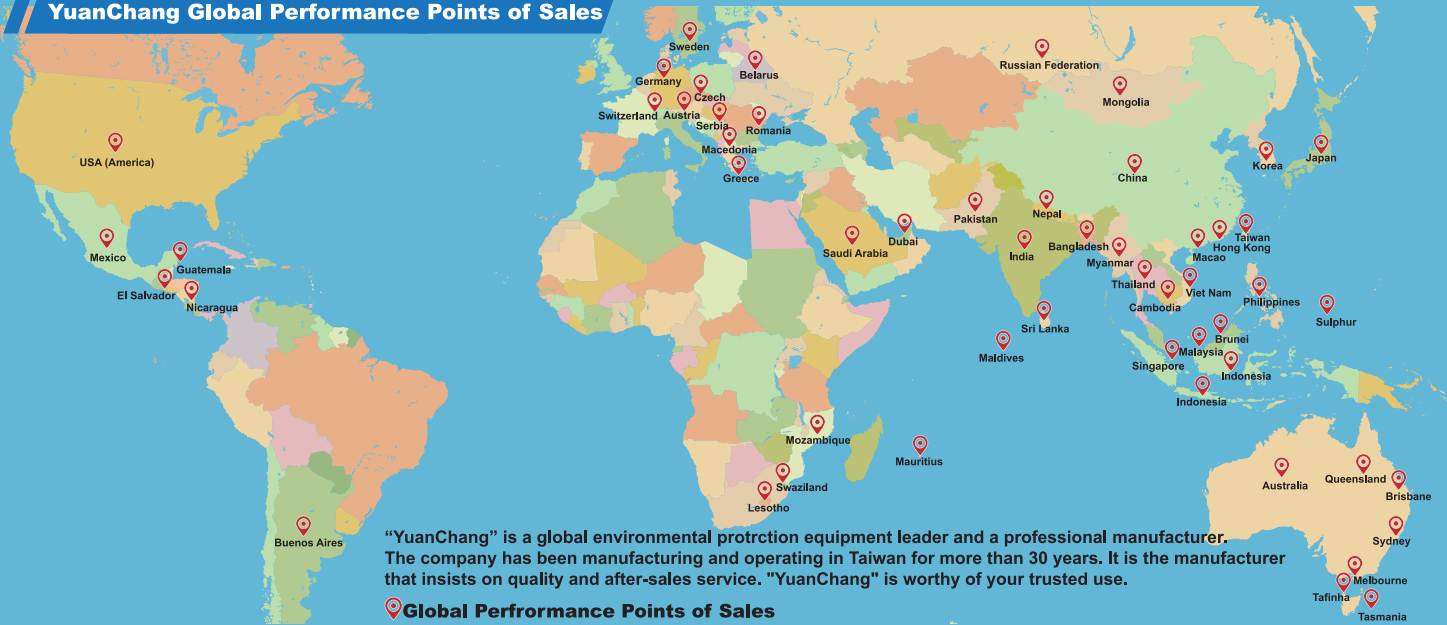
▲ batch processing

Application industries and usages

◎ Suitable for fast drying of agricultural products, Chinese medicinal materials, chemicals, biochemical technology, pharmaceuticals, enzymes, antibiotics, electronic components, etc.

◎ In the petrochemical, inorganic chemical, metallurgy, construction, environmental protection, dye, food, pharmaceutical and other industries, materials such as slurry, powder, granule, cake and paste are dried.

YuanChang Global Performance Points of Sales



YuanChang Factory Production and Industry Usages



Our Reminder

Our Advantages

1

Professional advantages

Professional technology to meet the needs of different industries, one-stop service, customers have no worries

2

Development advantages

Professional background in environmental engineering, independent research and development, innovation

3

Autonomous operation

Leading brand, completely independent design and manufacture sales service

4

Product advantages

Innovative precision advanced durable

5

Quality Assurance

More than 30 years of independent production by the factory, absolutely authentic, quality

6

Price advantage

High value-added products at reasonable prices

7

Service advantage

High-quality perfect after-sales service, free technical consultation

8

Advantages of cooperation

Integrity, pragmatism and enterprising, establish long-term good partnership

Dear environmental engineering industry and the using owners and advanced senior friends:

In recent years, the market has been flooded with low-price and low-quality products. The company has recently received calls for help for maintenance needs. The strange phenomenon of **"only sold but not service"** in the original manufacturer has led to a large number of subsequent **"orphan machines"**, which cannot provide maintenance services, Engineering companies and owners are very distressed because of **"seeking nowhere"**, so here, I especially call on all customers to pay special attention when planning new waste water projects or adding new purchases. The final result will end up being **"exhausted"** or **"been put aside"**. What is the feeling for both parties? In view of this, YuanChang Company has been operating in the local area for more than 30 years. It is the most authentic and trustworthy professional manufacturing manufacturer and the company that insists on quality and after-sales service.

"One machine, one generation of emotions", it is our corporate responsibilities and obligations to provide customers with the best equipment and best service. Sustainable operation, sustainable care and sustainable service are also our ultimate purpose and ambition.

Our goal is to **"create a win-win situation"** to maintain a green and pollution-free environment for the world. Let grandchildren generation after generation can live on this land of happiness forever, being happiness and wellness forever and forever ...



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