Dissolved Air Flotation · Lamella® Clarifier

JORSUN

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# Product Catalog [ 2025 ]

# 01

## JORSUN
## CORPORATE PROFILE

**2004**
Inception In Shanghai

**5000 +**
Global Project Application Cases

**40 +**
Patents


Focus on DAF , Lamella® Clarifier

Inception in 2004 in Shanghai, Shanghai Jorsun Environment Co., Ltd is a professional environmental protection equipment manufacturer with business covering research and development, design, manufacturing, sales and service.

Jorsun main technology focuses on DAF ( Dissolved Air Flotation ) ,Lamella® Clarifier and system solutions.

Jorsun is a national high-tech enterprice and has obtained over 40 patents, ISO 9001 certificate, CE certificate. With the concept of " professionalism and innovation ", Jorsun has made breakthroughs in the standardization and series technology of high-speed DAF, high-speed Lamella ® Clarifier and other equipments, and has 40+ related patents.

Adhering to the commitment of "integrity and safety" , Jorsun continuously improves the quality of products and services in the process of cooperation with customers to enhance customer satisfaction. Jorsun has provided excellent product and service to famous water treatment contractor and end user across over 50 countries. Now we have thousands of successful cases .

With the goal of becoming a leading water separation technology company with a sense of safety and trust, after years of operation, Jorsun has gathered a team of energetic and motivated professionals to move forward without forgetting the original intention.

# 02

JORSUN

## CORPORATE CULTURE

- Values

  Integrity Safety Profession Innovation

- Mission

  Focus on separation service for environment

  Provide advanced separation technology ,stable and reliable equipments

- Vision

  Become the leading water separation technology company



## QUALIFICATION CERTIFICATE

High-tech Enterprise Certificate


ISO Certification Certificate





Trademark Registration Certificate





Patent Certificate




# 03

JORSUN

## MAJOR ACHIEVEMENTS

2004 — Worked on service ,sales and marketing in dissolved air flotation field.

2005 — Designed a high-efficiency inclined plate settler, named Lamella Clarifier(First generation ).

2008 — Applied for the patent of chain plate slag scraper and promote its application.

2009 — Standardize DAF series as 2000 version.

2010 — Developed high efficient sedimentation DAF.

2012 — Optimized the lamella clarifier 2013 version.

2013 — Optimized DAF/DAF2 series continuously ,and become the classic version.

2020 — Launched high speed roll-flow DAF（Roll Flow® - DAF）-Jorsun new generation DAF.

2022 — Lamella clarifier 2023 version - the 3rd generation.

2024 — High efficient DAF-horizontal Roll Flow® - DAF.



# 04

JORSUN

## MANUFACTURING PROCESS

1 Design

2 CNC Cutting

3 CNC Bending

4 Welding

5 Detection

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7 Factory Commissioning

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# 05

JORSUN

## COOPERATION PROCESS

Consultation

01

Proposal

02

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03

Manufacturing

04

Delivery

05

On-site Service

06

# 06

## JORSUN
## OUR CLIENTS

VEOLIA · SINOSTEEL 中钢集团 · BAOSTEEL 宝钢集团 · CSIC 中船重工 · ADITYA BIRLA NOVELIS · HAILIANG 海亮集团 · Ingersoll Rand · NS 能率

Panasonic 松下电器 · FOTILE 方太 · TOYOTA · 北京现代 · 红旗 · NBOND NONWOVENS · KUFNER · High Fashion Group 逸利国际集团

ZINGSEMI · ASE GROUP 日月光集团 · 华星光电 CSOT · JinKO · 协鑫 GCL · SK hynix · JASolar · LONGi 隆基

JAVG · LANHUA 中国·兰花 · BASF The Chemical Company · Rianlon · MARY KAY 玫琳凯 · Henkel · L'ORÉAL 欧莱雅 · Roche

中国医药集团 · 药明康德 WuXi PharmaTech · ADISSEO · sonac · Boehringer Ingelheim · Tyson · Hormel

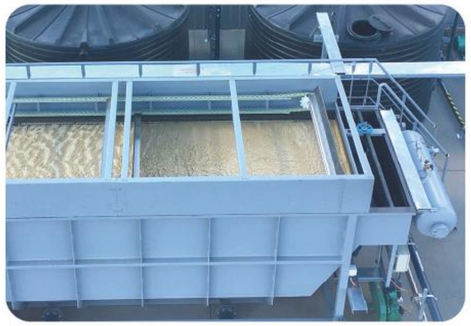
中粮 COFCO · CP 正大食品 · 蒙牛 · 光明乳业 BRIGHT DAIRY · 君乐宝 · ADOPT A COW 认养一头牛 · 伊利

海天 · Nestlé · pepsi · 好丽友 · DANONE · Kraft · GELITA Improving Quality of Life



# CONTENTS

# A JORSUN Dissolved Air Flotation

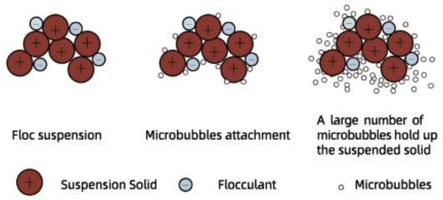


## About DAF

### Working Principle

Air flotation is a process technology device to achieve solid-liquid separation or liquid-liquid separation. It is mainly used to separate and remove suspended solid, colloid, oil or grease, algae and other substances in water with density close to or smaller than water.

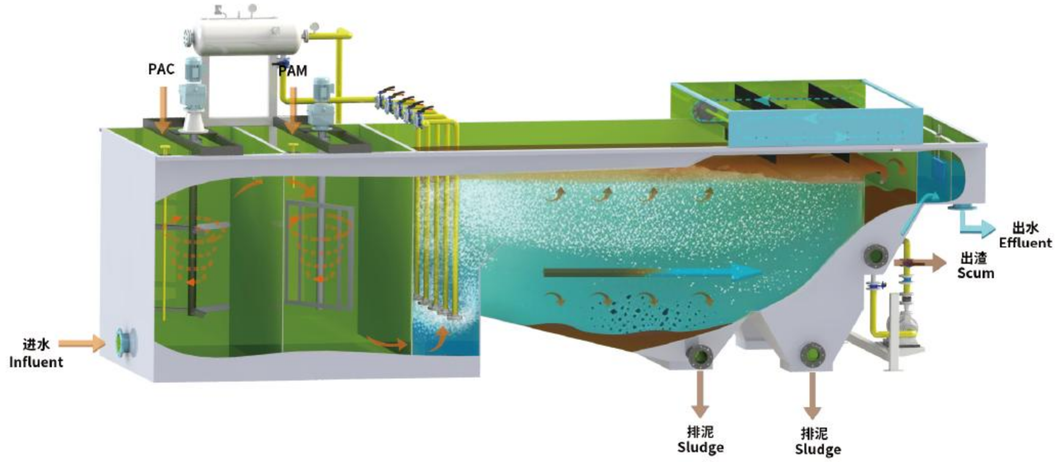
According to Henry's law, through the dissolving and releasing process of air flotation, the air flotation device can produce a huge amount of micro bubbles with particle size of 3~30μm in water. After water or wastewater is coagulated or flocculated, the suspended solid or colloid in water forms large flocs, and after entering the air flotation device, the large flocs fully mix and contact with the micro bubbles, and form a floating body with less density than water after adhering to the micro bubbles, which floats to the water surface and is skimmed off by the scraper to achieve solid-liquid separation and purification of water quality.




### Application Fields

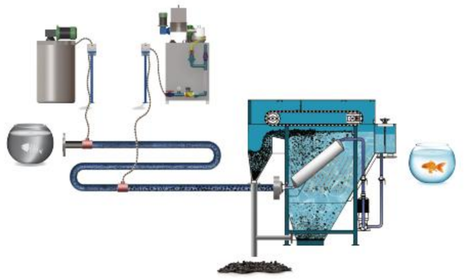
- Pretreatment or enhanced treatment for industrial wastewater
- Upgrading treatment of municipal wastewater
- Restaurant and kitchen wastewater,landfill wastewater
- Slaughter and breeding wasetwater
- River and lake water purification and algae treatment
- Pretreatment for WTP, seawater desalination

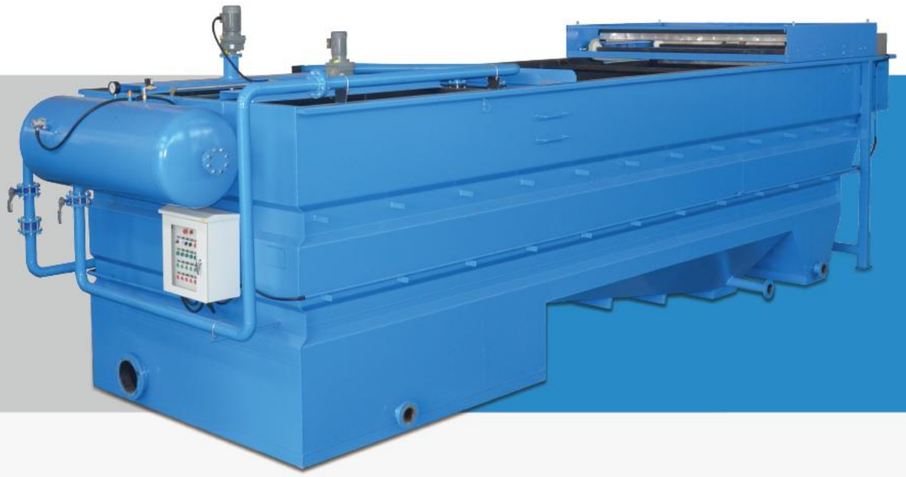
## DAF Process




## DAF Effects

## DAF System Process





High efficient horizontal roll-flow DAF

# RF-HDAF2 /RF-I-HDAF2

## Application Fields

- Industrial wastewater pretreatment
- High SS concentration (SS>300ppm) treatment

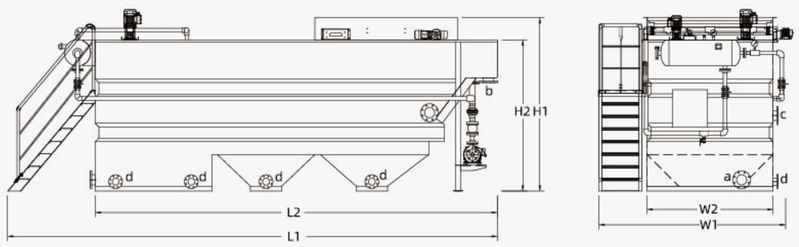
On the basic of JORSUN roll-flow DAF, we optimized the flow and water distribution in DAF ,enhanced the hydraulic loading rate, reduced footprint, then increase the single unit's capacity.

## Features

- Enhance hydraulic loading rate by 20%. Save installation footprint by 20%
- Single unit capacity increase to 300m3/h with pry installation design
- For wastewater with sedimentation phenomenon,sludge hopper design is optional

## Key Technology

- Steady-state laminar flow technology in the separation zone
- Isopotential synchronous water collection

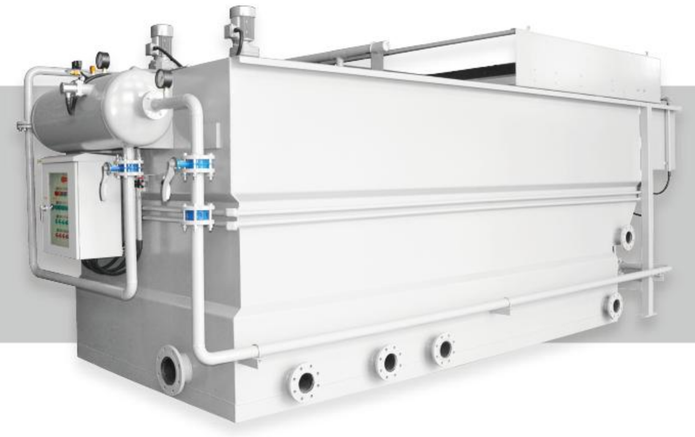



| Model | Capacity | Power (kW) | | | | | Dimension (m) | | | | Nozzle list (DN) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RF-HDAF2/ RF-I-HDAF2 | $m^3/h$ | Recycle pump | Air compressor | Skimmer | I-HDAF2 Fast mixer | I-HDAF2 Slow mixer | HDAF2 $L_1/L_2$ | I-HDAF2 $L_1/L_2$ | $W_1/W_2$ | $H_1/H_2$ | Inlet (a) | Outlet (b) | Sludge outlet (c) | Vent nozzle (d) |
| 002 | ~2 | 0.75 | 0.55 | 0.2 | 0.37 | 0.25 | 3.5/2.5 | 4.0/3.0 | 2.4/1.2 | 2.2/1.7 | 50 | 50 | 80 | 80 |
| 005 | ~5 | 1.1 | 0.55 | 0.2 | 0.37 | 0.25 | 4.0/3.0 | 4.5/3.5 | 2.4/1.2 | 2.2/1.7 | 80 | 80 | 80 | 80 |
| 010 | ~10 | 4.0 | 0.55 | 0.12 | 0.37 | 0.25 | 4.3/3 | 4.8/3.5 | 2.9/1.7 | 2.7/2.2 | 100 | 100 | 100 | 100 |
| 020 | ~20 | 5.5 | 0.75 | 0.12 | 0.37 | 0.25 | 5.5/4.2 | 6.5/5.2 | 2.9/1.7 | 2.7/2.2 | 150 | 100 | 100 | 100 |
| 030 | ~30 | 5.5 | 0.75 | 0.12 | 0.37 | 0.25 | 5.6/4.2 | 6.6/5.2 | 3.2/2.2 | 2.9/2.4 | 150 | 150 | 150 | 100 |
| 040 | ~40 | 5.5 | 0.75 | 0.12 | 0.75 | 0.37 | 6.6/5.2 | 7.8/6.4 | 3.2/2.2 | 2.8/2.4 | 200 | 200 | 150 | 100 |
| 050 | ~50 | 7.5 | 0.75 | 0.12 | 0.75 | 0.37 | 7.6/6.2 | 9.1/7.7 | 3.2/2.2 | 2.8/2.4 | 200 | 200 | 150 | 100 |
| 060 | ~60 | 11 | 2.2 | 0.12 | 1.5 | 0.37 | 7.4/5.8 | 8.7/7.1 | 3.7/2.7 | 3.2/2.8 | 250 | 200 | 150 | 100 |
| 070 | ~070 | 11 | 2.2 | 0.12 | 1.5 | 0.37 | 8.8/7.2 | 10.3/8.7 | 3.7/2.7 | 3.2/2.8 | 300 | 250 | 150 | 100 |
| 080 | ~80 | 11 | 2.2 | 0.12 | 1.5 | 0.37 | 9.3/7.7 | 10.9/9.3 | 3.7/2.7 | 3.2/2.8 | 250 | 200 | 150 | 100 |
| 100 | ~100 | 11 | 2.2 | 0.12 | 1.5 | 0.37 | 8.7/7.1 | 10.4/8.8 | 4.4/3.4 | 3.2/2.8 | 300 | 250 | 150 | 100 |
| 120 | ~120 | 15 | 2.2 | 0.12 | 1.5 | 0.37 | 9.2/7.6 | 11/9.4 | 4.6/3.6 | 3.2/2.8 | 300 | 250 | 150 | 100 |
| 150 | ~150 | 18.5 | 3.0 | 0.12 | 1.5 | 0.37 | 10.7/9.1 | 12.9/11.3 | 4.6/3.6 | 3.2/2.8 | 300 | 300 | 150 | 100 |
| | | | | | | | | | | | | | | |
| 080D | ~80 | 11 | 2.2 | 0.24 | | | 10.3 | | 4.4/3.4 | 2.7/2.3 | 250 | 200 | 150 | 100 |
| 100D | ~100 | 11 | 2.2 | 0.24 | | | 11.6 | | 4.4/3.4 | 2.7/2.3 | 300 | 250 | 150 | 100 |
| 200D | ~200 | 22 | 3.0 | 0.24 | | | 13.3 | | 4.4/3.4 | 2.7/2.3 | 350 | 300 | 150 | 100 |
| 250D | ~250 | 22 | 3.0 | 0.24 | | | 15.5 | | 4.5/3.6 | 2.7/2.3 | 400 | 350 | 150 | 100 |
| 300D | ~300 | 30 | 3.7 | 0.24 | | | 17.9 | | 4.4/3.4 | 2.7/2.3 | 450 | 350 | 150 | 100 |

# 2013 version classic DAF

Standard &Integrated DAF

## DAF&IDAF

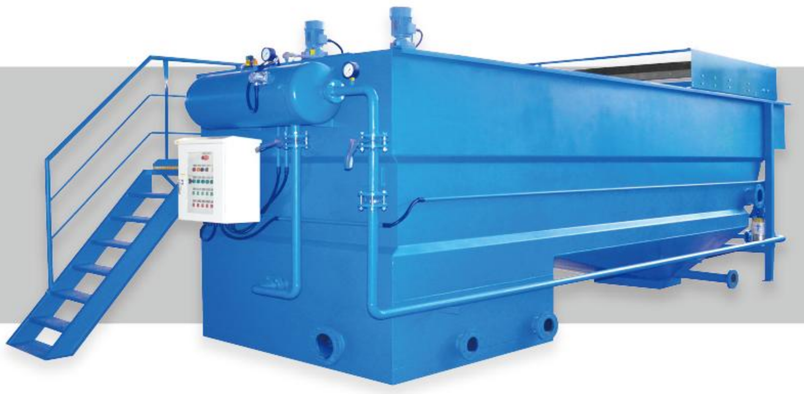


Scan code
get detailed information

This DAF (Dissolved Air Flotation) device is a typical dissolved air flotation model with high market retention, wide range of applications, high resistance to solid load, and excellant operational stability. It is mainly used in the industrial wastewater pretreatment stage and has better performance when used after sedimentation processes. It is also widely used in river and lake water purification treatment.

Sedimentation&Integrated DAF

## DAF2&IDAF2



Scan code
get detailed information

This DAF (Dissolved Air Flotation) device is an upgraded version of the standard DAF device which can better adapt to adverse conditions such as complicated water quality, high concentrations of suspended solids , and easy sedimentation of flocs during the flotation process. It has stronger tolerance to water quality and can withstand higher solid loads. It is widely used in industrial wastewater pretreatment and high-suspended solids water treatment processes.

# SDAF

## High Efficiency Sedimentation DAF

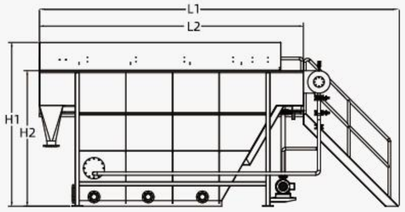
SDAF is a dissolved air flotation product developed based on air flotation separation process. It has high resistance to suspended solids concentration and solid load.

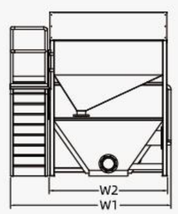
### Features

- Inclined plates in separation zone, it not only provides more effective separation area but also optimizes the flow distribution.
- Suitable for high concentration solid (suspended solids, oil and colloidal substance) content (the highest concentration of 10000 mg/L) waste water.
- Maximum hydraulic load at 12m/h and with better outlet water quality.
- Lower chemical consumption.
- No dead angle in scum collection area, no deposit.

### Key Technology

- Micro bubbles generation technique
- Surface capture technology
- Counter flow box type skimming techique
- Horizontal flow technology in separation zone
- Scum recirculation and flocculation technology



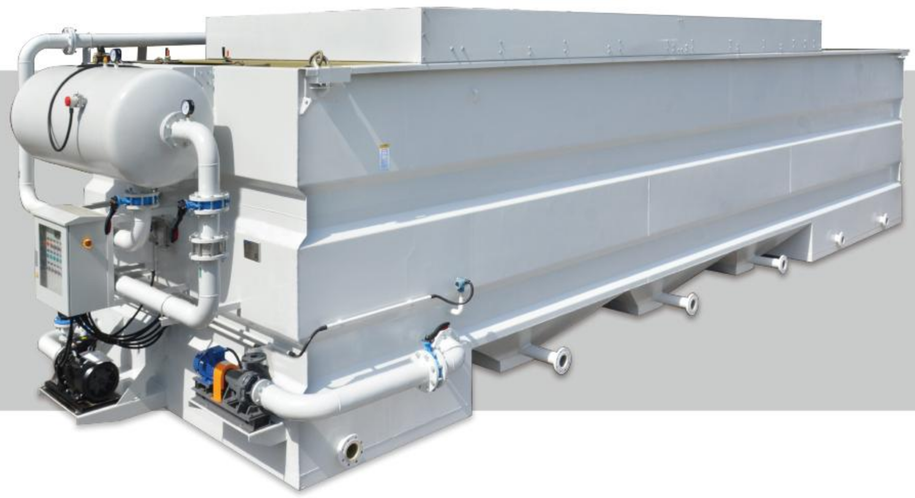

| Model | Capacity | Power (kW) | | | | Dimension (m) | | | Nozzle list (DN) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SDAF | m³/h | Recycle pump | Air compressor | Skimmer | Sludge scraper | $L_1/L_2$ | $W_1/W_2$ | $H_1/H_2$ | Inlet (a) | Outlet (b) | Sludge outlet (c) |
| 003 | ~3 | 0.75 | 0.55 | 0.12 | / | 3.4/2.2 | 2.4/1.7 | 2.4/1.9 | 80 | 80 | 100 |
| 005 | ~5 | 1.1 | 0.55 | 0.12 | / | 3.8/2.5 | 2.4/1.7 | 2.5/2.1 | 80 | 80 | 100 |
| 010 | ~10 | 1.1 | 0.55 | 0.12 | / | 5.1/3.8 | 2.4/1.7 | 3.0/2.4 | 100 | 100 | 100 |
| 020 | ~20 | 3.0/5.5 | 0.75 | 0.12 | / | 5.4/4.1 | 2.9/2.2 | 3.0/2.4 | 150 | 150 | 150 |
| 030 | ~30 | 3.0/5.5 | 0.75 | 0.12 | / | 5.5/4.2 | 3.2/2.5 | 3.2/2.6 | 150 | 150 | 150 |
| 040 | ~40 | 4.0/5.5 | 0.75 | 0.12 | / | 6.5/5.2 | 3.2/2.5 | 3.2/2.6 | 200 | 200 | 150 |
| 050 | ~50 | 7.5 | 1.5 | 0.12 | 1.5 | 7.2/5.9 | 3.2/2.5 | 3.2/2.6 | 200 | 200 | 150 |
| 060 | ~60 | 7.5 | 1.5 | 0.12 | 1.5 | 7.6/6.7 | 2.7/3.3 | 3.3/2.7 | 250 | 250 | 150 |
| 080 | ~80 | 11 | 1.5 | 0.12 | 1.5*2 | 9.4/8.5 | 3.6/2.4 | 3.3/2.7 | 250 | 250 | 150 |
| 100 | ~100 | 15 | 2.2 | 0.12 | 1.5*2 | 10.0/8.8 | 3.7/3.0 | 3.3/2.7 | 300 | 250 | 150 |
| 120 | ~120 | 15 | 2.2 | 0.12 | 1.5*2 | 10.9/9.7 | 3.7/3.0 | 3.3/2.7 | 300 | 300 | 150 |
| 150 | ~150 | 18.5 | 2.2 | 0.12 | 1.5*2 | 13.5/12.2 | 3.7/3.0 | 3.3/2.7 | 350 | 300 | 150 |

## Super Roll Flow® DAF

# RF-DAF

### Applied fields

- Upgrading treatment of municipal wastewater
- River and lake water purification and algae treatment
- Pretreatment for WTP, seawater desalination
- Other application with big flowrate, low SS concentration



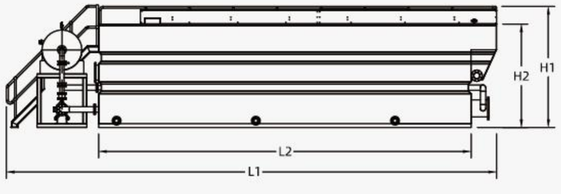
High speed roll-flow DAF- Roll Flow® DAF is a new generation DAF equipment developed by JORSUN with patent obtained.
It’ s a high speed and efficient DAF with the character of big capacity and high hydraulic loading rate.

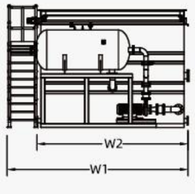
### Features

- High load, surface load at 15~52m/h.
- Large water volume, single unit processing capacity can reach $5\times10^4 m^3/d$.
- Low energy consumption with more than 50% saving .
- Save land occupation, reduce land occupation by 40~70%.
- Excellant water quality with effluent SS at less than 5mg/L, phosphorus at less than 0.1mg/L.
- Skid-mounted or civil construction are both available.

### Key Technology

- Steady-state laminar flow technology in the separation zone
- Small resistance linear water distribution, isopotential synchronous water collection
- Dispersed dissolved air water distribution technique
- Equal load parallel separation technique
- Strong injection and wrapping high-speed dissolved air technique
- Full coverage skimmer technique




| Model | Capacity | Power (kW) | | | Dimension (m) | | | Nozzle list (DN) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RF-DAF | $m^3/d$ | Recycle pump | Air compressor | Skimmer | $L_1/L_2$ | $W_1/W_2$ | $H_1/H_2$ | Inlet (a) | Outlet (b) | Sludge outlet (c) | Vent nozzle (d) |
| 200 | 5000 | 11 | 2.2 | 0.12 | 8.0/6.0 | 3.8/3.0 | 2.9/2.6 | 350 | 300 | 150 | 100 |
| 400 | 10000 | 18.5 | 2.2 | 0.12 | 10.9/8.6 | 4.6/3.8 | 3.1/2.8 | 500 | 400 | 150 | 100 |
| 600 | 15000 | 22 | 3.0 | 0.24 | 13.5/11.2 | 4.8/4.0 | 3.1/2.8 | 600 | 500 | 150 | 100 |
| 800 | 20000 | 30 | 3.0 | 0.24 | 16.8/14.5 | 4.8/4.0 | 3.1/2.8 | 650 | 600 | 150 | 100 |
| 1000 | 24000 | 37 | 3.0 | 0.24 | 18.9/16.6 | 4.8/4.0 | 3.1/2.8 | 700 | 600 | 150 | 100 |

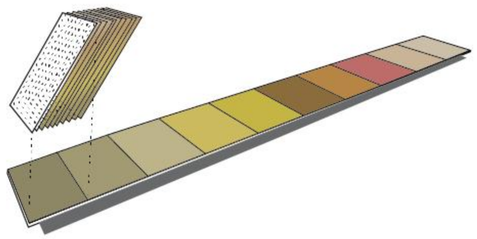
# B JORSUN Lamella ®Clarifier

## About Lamella ®Clarifier

### Working Principle

Lamella clarifier is an applied technology developed based on the shallow pool principle proposed by Hazen. That is, by setting a number of parallel inclined thin plates in the pool, a multiple effective precipitation area and excellent hydraulic flow pattern are obtained. Since there is positive correlation between precipitation capacity and effective precipitation area, the precipitation treatment efficiency can be increased by multiples.

The effective precipitation area of lamella clarifier is the accumulation of the projection area of the inclined plates (as shown in the schematic diagram below).



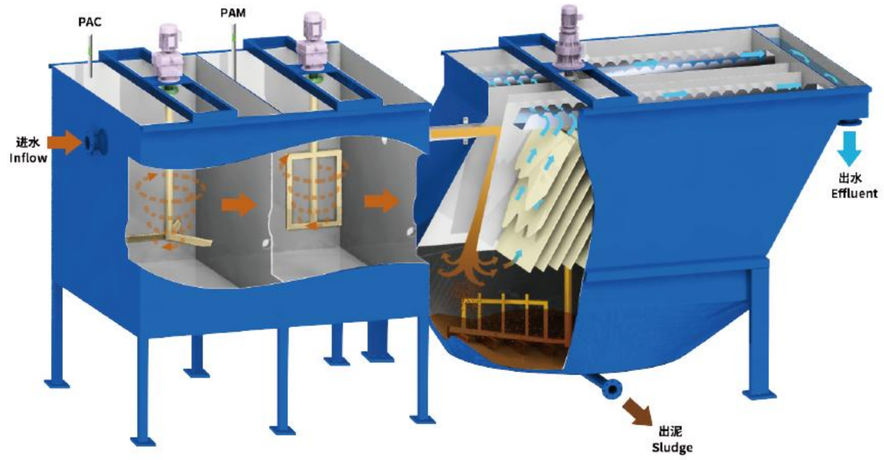
### Application Fields

- Chemical precipitation of industrial wastewater.
- Mining, cutting and grinding wastewater purification.
- River,lake water purification.
- Chemical sedimentaion- replace the tradinational secondary clarifier.
- Replace other sedimentation tank.

### Construction Forms

- Skid-mounted/civil structure/container transportation

## Lamella Clarifier Separation Mechanism




## Precipitation Effects

## Lamella Clarifier

# NLST

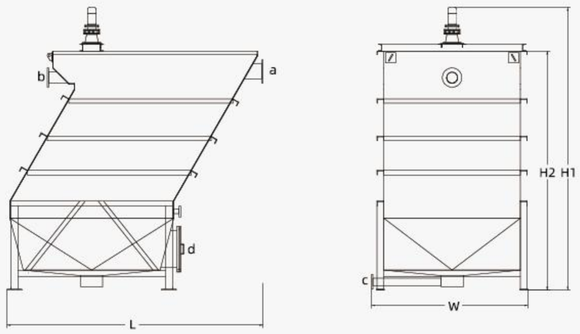
### Applied fields

- Chemical precipitation of industrial wastewater.
- Mining, cutting and grinding wastewater purification.
- River,lake water purification.
- Chemical sedimentaion- replace the tradinational secondary clarifier.
- Replace other sedimentation tank.

In 2005, the first lamella clarifier Jorsun designed was applied in semiconductor wastewater. Jorsun keeps improving the design ,and promote lamella clarifier application in more and more industries.Up to now,we have 1000+ successful lamella clarifier applications, and now anual growth is over 100, and product has upgraded for 3 generations .

### Features

- Higher surface laoding rate.
  Plates length increased to 2~3m .Plates filling rate increased by 11~25%. Surface loading rate is 6-10 times higher than horizontal/radial sedimentation tank.
- Smaller occupied area.Footprint is 15-30% of horizontal/radial sedimentation tank.
- Avoid shor current and dead corner.
  Water is equally distirbuted to lamella plates by precisily positioning plates space, equally linear water distribution and synchronous water collection process.
- Non-clogging plates. Plates have larger spacing distanceis and equiped with backwash device.
- Smooth in discharging sludge, no sludge dead corners and equipped with sludge scraper.
- Sturdy and durable plates which is made of high strength and corrosion-resistant materials.




| Model | Capacity (reference) | Dimension (m) | | | Sludge scraper | Nozzle list (DN) GB/JIS/ANSL | | | |
|---|---|---|---|---|---|---|---|---|---|
| | $m^3/h$ | L | W | $H_1/H_2$ | kW | Inlet (a) | Outlet (b) | Sludge outlet (c) | Backwash (d) |
| NLST-005 | 5~7 | 2.2 | 1.7 | 3.2/2.4 | 0.25 | 80 | 50 | 50 | 50 |
| NLST-010 | 10~11 | 2.9 | 1.7 | 3.2/2.4 | 0.25 | 100 | 80 | 50 | 50 |
| NLST-020 | 15~21 | 2.8 | 2.2 | 3.8/3.0 | 0.25 | 100 | 80 | 80 | 50 |
| NLST-030 | 20~30 | 3.5 | 2.2 | 3.8/3.0 | 0.25 | 150 | 150 | 100 | 50 |
| NLST-040 | 35~43 | 3.9 | 2.2 | 4.3/3.5 | 0.25 | 200 | 150 | 100 | 50 |
| NLST-050 | 40~52 | 3.8 | 2.8 | 4.3/3.5 | 0.25 | 200 | 200 | 100 | 50 |
| NLST-070 | 55~72 | 4.4 | 2.8 | 4.3/3.5 | 0.25 | 250 | 250 | 100 | 50 |
| NLST-080 | 65~82 | 4.2 | 3.3 | 4.3/3.5 | 0.25 | 250 | 250 | 100 | 50 |
| NLST-100 | 80~105 | 4.9 | 3.3 | 4.3/3.5 | 0.25 | 250 | 250 | 100 | 50 |
| NLST-090D | 70~95 | 6.6 | 2.2 | 4.3/3.5 | 0.25*2 | 250 | 250 | 100 | 50 |
| NLST-150D | 120~150 | 7.7 | 2.8 | 4.4/3.6 | 0.25*2 | 300 | 300 | 100 | 50 |
| NLST-200D | 180~215 | 8.5 | 3.3 | 4.4/3.6 | 0.25*2 | 350 | 350 | 100 | 50 |

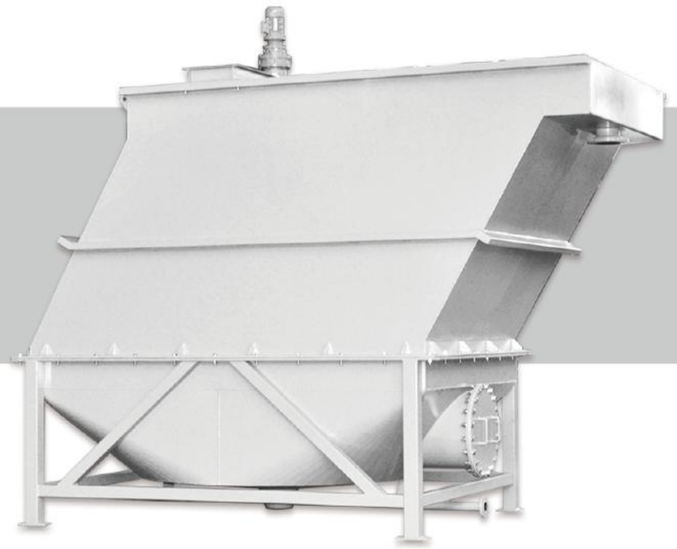
# 2013 version classic LST

## Lamella Clarifier
## LST1

Scan code
get detailed information

LST1 is a clarifier with one or more cone shape sludge hoppers. Simple structure, no power consumption.

## Lamella Clarifier
## LST2



Scan code
get detailed information

LST2 is a sedimentation tank with a mud bucket and scraper. It has one or more mud buckets with scrapers. It has significant advantages in the complete set of large sedimentation tanks. Advantages includes large mud bucket volume, no dead corners for sludge discharge.

# C JORSUN Supporting Equipment

## PL3
### Automatic Polymer Preparation Device

An integrated equipment that prepares PAM solution automatically. It could be applied for PAM preparation and dosage. The powder will be dissolved,diluted, aged and dosed automatically. No manual operation required in the whole process. Normally concentration of PAM solution is just 0.05%~0.15%.

### Features

- Automatic and continuous operation.
- Small footprint and great capacity.
- Variable solution concentration.

| Model | Capacity | Volume | Time | Power(kW) | | Dimension (m) | | | Nozzle list（DN） | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PL3 | L/h | L | min | 给料机 | BAH | L | W/W1 | H/H1 | Inlet (a) | Outlet (b) | Ventnozzle (c) |
| 500 | ~500 | 700 | 50 | 0.18 | 0.2x3 | 1.65 | 1.04/0.65 | 1.04/0.65 | DN25 | DN32 | DN32 |
| 1000 | ~1000 | 1200 | 50 | 0.18 | 0.4x3 | 1.86 | 1.25/0.86 | 1.25/0.86 | DN25 | DN32 | DN32 |
| 1500 | ~1500 | 1800 | 50 | 0.18 | 0.4x3 | 2.10 | 1.30/1.00 | 1.30/1.00 | DN25 | DN32 | DN32 |
| 2000 | ~2000 | 2600 | 50 | 0.18 | 0.4x3 | 2.40 | 1.50/1.10 | 1.50/1.10 | DN25 | DN32 | DN32 |
| 3000 | ~3000 | 3800 | 50 | 0.18 | 0.4x3 | 3.20 | 1.60/1.20 | 1.60/1.20 | DN25 | DN40 | DN40 |
| 4000 | ~4000 | 5000 | 50 | 0.18 | 0.75x3 | 3.60 | 1.60/1.20 | 1.60/1.20 | DN32 | DN40 | DN40 |
| 5000 | ~5000 | 6000 | 50 | 0.18 | 0.75x3 | 4.00 | 1.80/1.30 | 1.80/1.30 | DN32 | DN40 | DN40 |

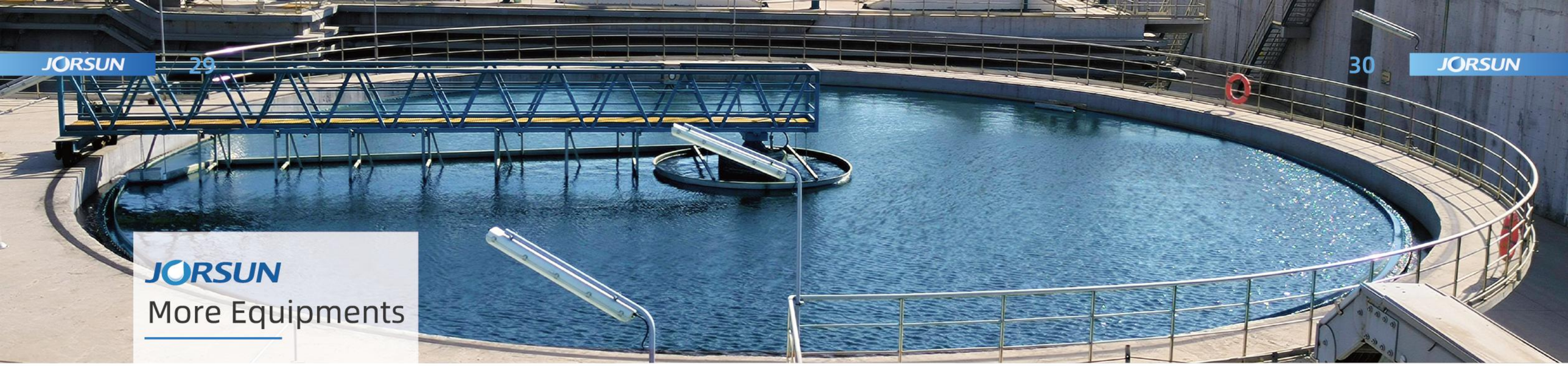
## SJY&DJY
### Chemical Dosing Device

A chemical dosing system that combines chemical dissolving, dilution and storage. Quantitative amount of water and chemical are added into device, dissolved and diluted into certain concentration solution by mixer. It has two types: SJY-single tank type, and DJY-double tanks for continuous operation.

### Features

- Suitable for PAC, acid, alkali and other chemicals.
- DJY type can achieve continuous dosing operation.
- Simple structure, easy operation.

| Model | Capacity | Volume | Time | Power | Dimension (m) | | | Nozzle list（DN） | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SJY | L/batch | L | min | kW | L | W1/W | H/H1 | Inlet (a) | Outlet (b) | Ventnozzle (c) |
| 200 | ~200 | 200 | set up | 0.4 | 0.60 | 0.66/0.96 | 1.37/1.05 | DN25 | DN25 | DN25 |
| 500 | ~500 | 500 | set up | 0.4 | 0.89 | 0.89/1.35 | 1.65/1.34 | DN25 | DN25 | DN25 |
| 1000 | ~1000 | 1000 | set up | 0.4 | 1.10 | 1.10/1.60 | 1.98/1.63 | DN25 | DN25 | DN25 |
| 1500 | ~1500 | 1500 | set up | 0.4 | 1.42 | 1.42/1.92 | 1.98/1.63 | DN25 | DN25 | DN25 |
| 2000 | ~2000 | 2000 | set up | 0.75 | 1.46 | 1.46/2.06 | 2.17/1.84 | DN25 | DN25 | DN25 |
| DJY | L/batch | L | min | kW | L | W1/W | H/H1 | Inlet (a) | Outlet (b) | Ventnozzle (c) |
| 500 | ~500 | 1000 | set up | 0.4 | 1.75 | 1.60/0.91 | 2.96/2.65 | DN25 | DN25 | DN25 |
| 1000 | ~1000 | 2000 | set up | 0.4 | 2.20 | 1.90/1.14 | 3.60/3.24 | DN25 | DN25 | DN25 |
| 1500 | ~1500 | 3000 | set up | 0.4 | 2.78 | 2.15/1.46 | 3.60/3.24 | DN25 | DN25 | DN25 |
| 2000 | ~2000 | 4000 | set up | 0.75 | 2.86 | 2.15/1.46 | 3.95/3.42 | DN25 | DN25 | DN25 |
| 4000 | ~4000 | 8000 | set up | 0.75 | 3.98 | 3.30/2.62 | 2.38/2.05 | DN40 | DN40 | DN25 |
| 5000 | ~5000 | 10000 | set up | 0.75 | 4.16 | 2.89/2.20 | 3.46/2.51 | DN40 | DN40 | DN25 |



JORSUN

# More Equipments

## MFR Mechanical Chemical Reaction

MFR device is a common chemical reaction device for Dissolved Air Flotation and Lamella Clarifier. Normally it is made of one fast reaction chamber and one slow reaction chamber and can be customized to single tank, double tanks and multi tanks.

### Features:

- Clear reaction process.
- Sufficient reaction time.
- Adjustable stirring intensity.

## PFR Pipe Flocculator

PFR is hydraulic mixing device providing reaction kinetic energy by hydraulic head pressure, changing the Gvalue and the reaction time by transforming pipe diameter and length.

### Features:

- Energy saving, area saving.
- Durable, low maintenance cost.
- Carried out in the closed pipeline, clean and sanitary.

## HS Static Screen

Static screen is a pretreatment equipment in industrial wastewater with a mesh of between 0.5 and 1 mm. Its function is to eliminate the thick waste in the paper， textile ， tanning,laundry, canning and milk industries, abattoirs, and etc.The static screen offers an economic solution in the continuous solid-liquid separation process with almost no maintenance requirements and no power consumption.

### Features:

- Optimal selection of solid-liquid separation for waste-water pretreatment.
- Stainless steel material, strong and durable.
- Cost- effective,maintenance free,no power consumption required.

## JDRS Rotary drum screen

The rotary drum screen is an effective fine filter for continuously screening solid suspended matter in water. Mainly used in sewage pre-treatment or industrial screening processes, it can efficiently removes suspended solid particles or fibrous impurities from water.

### Features:

- The whole machine is skid-mounted for easy installation.
- Easy to maintain.
- Intelligent control, energy-saving and efficient.

# D JORSUN Sludge Scraper

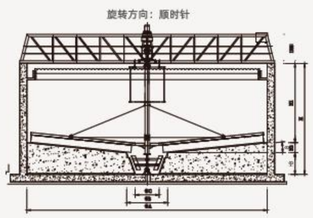
Central Drive sludge Scraper

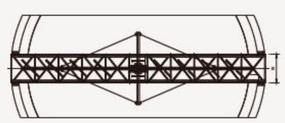
## ZXG/ZXN

Central drive sludge scraper is applied for small and medium sized clarifier with central inlet, sur-rounding outlet and central sludge discharge. It is mainly used for sludge discharge of clarifiers especially for industrial wastewater and urban sewage treatment projects.

### Features

- Working bridge can be steel structure or concerete type.
- Simple installation & maintenance and low operating cost.
- High Energy-efficient drives with over torque protection device, or it can be equipped with torsiometer as needed.
- Material options: carbon steel with coating (epoxy,-FRP or rubber), stainless steel (sus304 or sus316L).
- Optional units: rake unit, skimming device, v type outlet weir.



| Model | Diameter | HDepth | Peripheral line | Rotation (rpm) | Bottom slope | Driving | Guide tube | Standard | Gear reducer model |
|---|---|---|---|---|---|---|---|---|---|
| ZXG/ ZXN | (m) | (m) | m/min | r/min | % | (kW) | (m) | N.m | |
| 4 | 4 | 2.8~4.0 | 2.4 | 0.19 | 0.5~1.0 | 0.25 | 0.6 | 600 | Direct coupling |
| 6 | 6 | 2.8~4.0 | 2.2 | 0.11 | | | 0.8 | 1500 | |
| 8 | 8 | 3.0~4.0 | 1.8 | 0.07 | | | 1.1 | 2640 | |
| 10 | 10 | 3.0~4.0 | 1.6 | 0.05 | | | 1.4 | 4000 | |
| 12 | 12 | 3.0~4.0 | 1.7 | 0.04 | | 0.55 | 1.7 | 5750 | |
| 14 | 14 | 3.0~4.0 | 1.6 | 0.04 | | | 1.9 | 7900 | |
| 16 | 16 | 3.0~4.0 | 1.7 | 0.03 | | 0.75 | 2.2 | 10300 | |
| 18 | 18 | 3.0~4.0 | 1.7 | 0.03 | | | 2.5 | 13000 | |
| 20 | 20 | 3.0~4.0 | 1.7 | 0.03 | | | 2.8 | 16200 | |