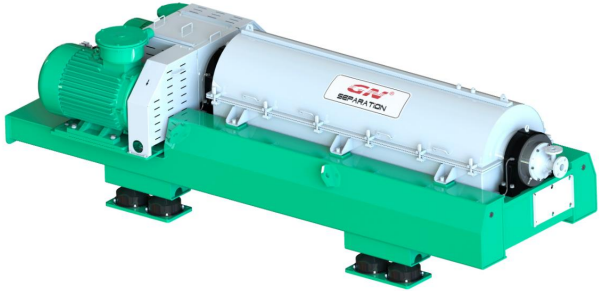
Separation Equipment Technology

(Centrifuges + Vibrating Screen)





20/Oct./2025

GN Separation Equipment Co., Ltd

Company Video



(GN 2008-2025)
Focus on Separation Equipment

https://www.gnseparation.com/video/gn-2008-2025-focus-on-separation-equipment

About GN

History

In 2008, GN China was established in Tangshan, China and move to Langfang, Hebei in 2012
In 2013, GN America was started in Houston for warehouse, sales and maintenance.
In 2014, GN Russia was started in Moscow for supporting Russia business.
In 2023, GN Solids Australia was established to serve the Australia Pacific Market.

Our Team

Totally Employee: 350+
College Educated : 120+
China National High Tech Enterprise
Patent 40+

Our Sales

Decanter : 300+ Sets / Year
Vertical Centrifuge: 50+ Sets / Year
Vibrating Screen: 400+ Pcs / Year
Screw Conveyor: 300+ Sets/ Year
Pumps: 500+ Pcs / Year

GN Separation

Facilities

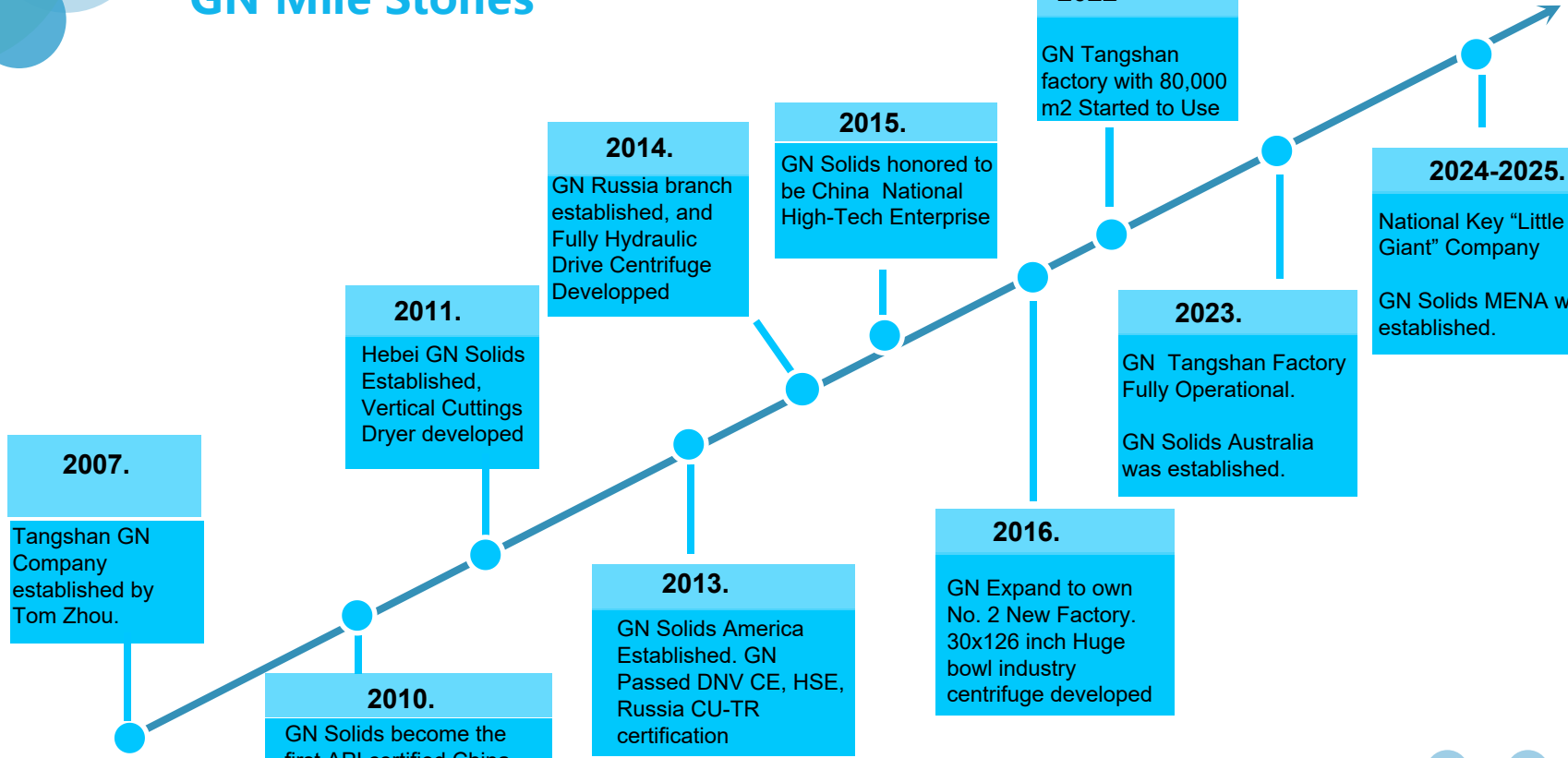
Totally 110,000 ㎡
3 In China, 1 In USA, 1 In Australia

QC & Market

Export to 70+ Countries
Certificates: API Q 1, ISO 9001, HSE, Europe CE, IEC Ex, ATEX

History

GN Mile Stones



Facilities

Tangshan New Headquarter



80,000 m2, About 30 Million USD investment

Officially Operation from 2023

Facilities

Tangshan New Headquarter





Office building is 10,000㎡

Facilities

Tangshan– ① Blanking Workshop



Large CNC Laser Pipe Cutting Machine



Large CNC Laser Plate Cutting Machine

Accuracy + Efficiency

Facilities

Tangshan- ② Welding Workshop





Robot Welding Production Lines for Separation Equipment

Facilities

Robot Welding System



Robot Welding For Shaker



Quality + Efficiency + Consistency



Facilities

Tangshan③ CNC Machining Workshop





Centrifuge and Pumps Production by CNC lathe, CNC machining center and Balance Machine etc.

Facilities

Tangshan- ④ Coating Workshop







Include Sand and Ball Blasting Machine, Painting and Powder Coating Production Line (Control Ambient Air for High quality)

Facilities

Tangshan-⑤ Assembly Shop









Available for Individual Equipment or Package Mud System Assembly

Facilities



No. 2 Factory: Langfang East Factory



No. 3 Factory: Langfang West Factory





Facilities

Shaker Screen Factory





Composite Screen Injection Machine





Robot Frame Welding Machine

Facilities

GN Solids America





GN SOLIDS AMERICA

Solids Control Equipment for sale in stock

GN Solids America LLC

6710 Windfern Road, Houston, TX 77040, USA

+1 (713) 377-2984/ +1 (713) 320-2103

+1 (713) 779-3017/+1 (713) 518-2368

sales@gnsolidscontrol.com

https://www.gnsolidsamerica.com



Facilities

GN Solids Australia



GN SOLIDS AUSTRALIA

sales@gnsolidscontrol.com

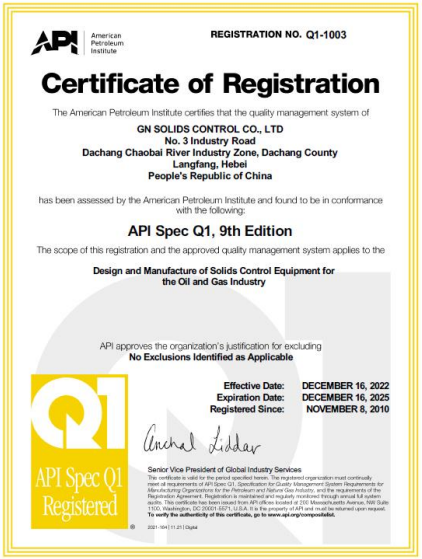
+61 467 718 611

GN Solids Australia Pty Ltd

Unit 20.256-258 Musgrave Road,Coopers Plains QLD 4108

https://www.gnsolidsaustralia.com/

Certificates



REGISTRATION NO. Q1-1003

Certificate of Registration

The American Petroleum Institute certifies that the quality management system of

GN SOLIDS CONTROL CO., LTD
No. 3 Industry Road
Dachang Chaobai River Industry Zone, Dachang County
Langfang, Hebei
People's Republic of China

has been assessed by the American Petroleum Institute and found to be in conformance with the following:

API Spec Q1, 9th Edition

The scope of this registration and the approved quality management system applies to the

Design and Manufacture of Solids Control Equipment for the Oil and Gas Industry

API approves the organization's justification for excluding
No Exclusions Identified as Applicable

Effective Date: DECEMBER 16, 2022
Expiration Date: DECEMBER 16, 2025
Registered Since: NOVEMBER 8, 2010

Senior Vice President of Global Industry Services

API Spec Q1 Registered

API Q1
Q1-1003



中国船级社质量认证有限公司
CHINA CLASSIFICATION SOCIETY CERTIFICATION CO., LTD.

质量管理体系认证证书
QUALITY MANAGEMENT SYSTEM CERTIFICATE

编号：No.0052Q0057R0M

兹证明

河北冠能石油机械制造有限公司

（注册地址：河北省廊坊市大厂潮白河工业区 邮编：065300）

（运营地址：河北省廊坊市大厂回族自治县潮白河工业区工业三路 邮编：065300）

This is to certify that the Quality Management System (QMS) of

HEBEI GN SOLIDS CONTROL CO., LTD.

(Registered Add: CHAOBAIHE INDUSTRIAL ZONE, DACHANG, LANGFANG CITY, HEBEI PROVINCE, 065300, P.R.CHINA; Uniform Code of Social Credit: 91131025568445454B)
(Operation Add: No.1799, HUIANG WEST ROAD, YUTIAN INDUSTRIAL ZONE, TANGSHAN CITY, HEBEI PROVINCE, 064100, P.R.CHINA

建立的质量管理体系符合标准：**GB/T19001-2016/ISO9001:2015.**
has been found to conform to standard: **GB/T19001-2016/ISO9001:2015.**

本证书对下述范围的质量管理体系有效：*石油天然气钻井液固相控制设备（振动筛和筛网，离心机，砂泵，搅拌器，除砂器，除泥器，清洁器，除气器，甩干机，螺旋输送机）的设计开发和生产*。
This certificate is valid to the following scope for QMS: ***DESIGN, DEVELOPMENT AND MANUFACTURE OF SOLIDS CONTROL EQUIPMENT (SHALE SHAKER AND SCREEN, DECANTER CENTRIFUGE, CENTRIFUGAL PUMP, AGITATOR, DESANDER, DESILTER, MUD CLEANER, DEGASSER, CUTTINGS DRYER AND SCREW CONVEYOR) FOR OIL & GAS DRILLING FLUIDS***.

本证书有效期至：2025 年 1 月 4 日。
This certificate is valid until: **5 January 2025.**

Reissued on: **6 January 2022.**
Issued on: **6 January 2022.**
Issued by: **Tian Wei**

QMS

ISO 9001:2015
No.0052200057R0M



CEPROM
PRODUCT CERTIFICATION BODY

CEPROM ® S.A.
440240 Satu Mare, str. Fântânele, f.n., Romania
tel. +40.0361.804795; fax +40.0361.804796
www.ceprom.ro ; e-mail: ceprom@ceprom.ro

CERTIFICATE OF CONFORMITY
No. 1068-CI-32016

Technical File no. *1068-CI-32016/HBGN-CE-2016A-0912*

Applicant:	**Manufacturer:**
HEBEI GN SOLIDS CONTROL CO., LTD. *No.3 Industry Road, Dachang Chaobai River Development Area, Langfang, 065300 China*	*HEBEI GN SOLIDS CONTROL CO., LTD.* *No.3 Industry Road, Dachang Chaobai River Development Area, Langfang, 065300 China*

Description of product:

Product type: *DECANTER CENTRIFUGE*
Models: *GNLW223D, GNLW363CG, GNLW363CG-VFD, GNLW363D, GNLW363D-VFD, GNLW452C, GNLW453C-VFD, GNLW553C-VFD*

Reference standards: *EN ISO 12100:2010, EN 809:1998+A1:2009, EN 60204-1:2006+A1:2009+AC:2010*

Based on our assessment we confirm that the Technical File of the product is in accordance with the technical requirements of the above standards and hence fulfils the technical requirements of the
Machinery Directive 2006/42/EC
Low Voltage Directive 2014/35/EU
The CE mark as show joined can be used, under the responsibility of the manufacturer or the importer, after completion of the CE Declaration of Conformity and in accordance with the above directives.

This certificate is only valid for the product and configuration described (annex), in conjunction with the detailed test data and with all applicable legal requirement for the product.
Maintaining certification is based on compliance with the requirements of certification contract.

Annex: *Product identification – 2 pages*

Issuing Date: *18.07.2016*
Expiry Date: *17.07.2021*

EUROPEAN UNION
Satu Mare, ROMANIA

GENERAL MANAGER
eng. Cristian SOPONOS

CEPROM–CERT Manager
eng. Vasile ZELE

Partial reproduction of this certificate is not allowed
This Certificate of Conformity is valid only if it is published on the site www.ceprom.ro

CE
No.1068-CI-32016



中国船级社质量认证有限公司
CHINA CLASSIFICATION SOCIETY CERTIFICATION CO., LTD.

环境管理体系认证证书
ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

编号：No.00522E4760R3M

兹证明

河北冠能石油机械制造有限公司

（注册地址：河北省廊坊市大厂潮白河工业区 邮编：065300）

（运营地址：河北省廊坊市大厂回族自治县潮白河工业区工业三路 邮编：065300）

This is to certify that the Environmental Management System (EMS) of

HEBEI GN SOLIDS CONTROL CO., LTD.

(Registered Add: CHAOBAIHE INDUSTRIAL ZONE, DACHANG, LANGFANG CITY, HEBEI PROVINCE, 065300, P.R.CHINA)
(Operation Add: No.3 INDUSTRY ROAD, CHAOBAI RIVER INDUSTRY ZONE, DACHANG COUNTY, LANGFANG CITY, HEBEI PROVINCE, 065300, P.R.CHINA)

建立的环境管理体系符合标准：**GB/T24001-2016/ISO14001:2015.**
has been found to conform to standard: **GB/T24001-2016/ISO14001:2015.**

本证书对下述范围的环境管理体系有效：*石油天然气钻井液固相控制设备（振动筛和筛网，离心机，砂泵，搅拌器，除砂器，除泥器，清洁器，除气器，甩干机，螺旋输送机）的设计开发和生产*。
This certificate is valid to the following scope for EMS: ***DESIGN, DEVELOPMENT AND MANUFACTURE OF SOLIDS CONTROL EQUIPMENT (SHALE SHAKER AND SCREEN, DECANTER CENTRIFUGE, CENTRIFUGAL PUMP, AGITATOR, DESANDER, DESILTER, MUD CLEANER, DEGASSER, CUTTINGS DRYER AND SCREW CONVEYOR) FOR OIL & GAS DRILLING FLUIDS***.

本证书有效期至：2025 年 12 月 27 日。
This certificate is valid until: **27 December 2025.**

Issued on: **23 December 2022.**
Issued by: **Huang Shiyuan**

EMS

ISO-14001
No.00522E4760R3M

Certificates



中国船级社质量认证有限公司
CHINA CLASSIFICATION SOCIETY CERTIFICATION CO., LTD.

职业健康安全管理体系认证证书
OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

编号：No.00522S4761R3M

兹证明

河北冠能石油机械制造有限公司

This is to certify that the Occupational Health and Safety Management System (OHSMS) of

HEBEI GN SOLIDS CONTROL CO., LTD.

建立的职业健康安全管理体系符合标准：GB/T45001-2020/ISO45001:2018，
has been found to conform to standard: GB/T45001-2020/ISO45001:2018.

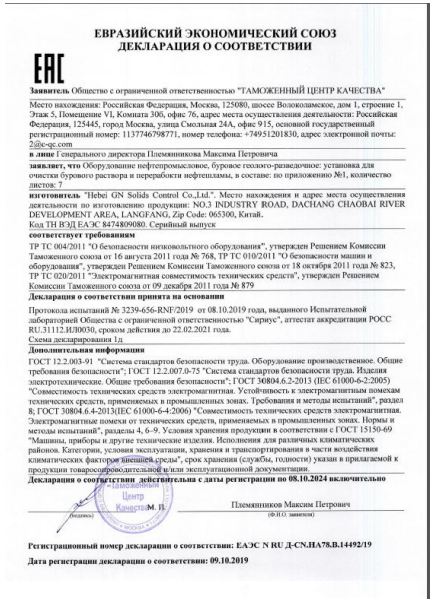
This certificate is valid to the following scope for OHSMS: "DESIGN, DEVELOPMENT AND MANUFACTURE OF SOLIDS CONTROL EQUIPMENT (SHALE SHAKER AND SCREEN, DECANTER CENTRIFUGE, CENTRIFUGAL PUMP, AGITATOR, DESANDER, DESILTER, MUD CLEANER, DEGASSER, CUTTINGS DRYER AND SCREW CONVEYOR) FOR OIL & GAS DRILLING FLUIDS".

This certificate is valid until: 27 December 2025.

Issued on: 23 December 2022.

Issued by: Huang Shiyuan

ISO-45001
No.00522S4761R3M



ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ
ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

EAC

Заявитель Общество с ограниченной ответственностью "ТАМОЖЕННЫЙ ЦЕНТР КАЧЕСТВА"

Место нахождения: Российская Федерация, Москва, 125080, шоссе Волоколамское, дом 1, строение 1, Этаж 5, Помещение VI, Комната 306, офис 76, адрес места осуществления деятельности: Российская Федерация, 125445, город Москва, улица Смольная 24А, офис 915, основной государственный регистрационный номер: 1137746798771, номер телефона: +74951201830, адрес электронной почты: 2@ec-qc.com

в лице Генерального директора Племянникова Максима Петровича

заявляет, что Оборудование нефтегазопромысловое, буровое геолого-разведочное: установка для очистки бурового раствора и переработки нефтешламы, в составе: по приложению №1, количество листов: 7

изготовитель "Hebei GN Solids Control Co.,Ltd.". Место нахождения и адрес места осуществления деятельности по изготовлению продукции: NO.3 INDUSTRY ROAD, DACHANG CHAOBAI RIVER DEVELOPMENT AREA, LANGFANG, Zip Code: 065300, Китай.

Код ТН ВЭД ЕАЭС 8474809080. Серийный выпуск

соответствует требованиям

ТР ТС 004/2011 "О безопасности низкопольного оборудования", утвержден Решением Комиссии Таможенного союза от 16 августа 2011 года № 768, ТР ТС 010/2011 "О безопасности машин и оборудования", утвержден Решением Комиссии Таможенного союза от 18 октября 2011 года № 823, ТР ТС 020/2011 "Электромагнитная совместимость технических средств", утвержден Решением Комиссии Таможенного союза от 09 декабря 2011 года № 879

Декларация о соответствии принята на основании

Протокола испытаний № 3239-656-RNF/2019 от 08.10.2019 года, выданного Испытательной лабораторией Общества с ограниченной ответственностью "Сириус", аттестат аккредитации РОСС RU.31112.ИЛ00030, сроком действия до 22.02.2021 года.

Схема декларирования 1д

Дополнительная информация

ГОСТ 12.2.003-91 "Система стандартов безопасности труда. Оборудование производственное. Общие требования безопасности"; ГОСТ 12.2.007.0-75 "Система стандартов безопасности труда. Изделия электротехнические. Общие требования безопасности"; ГОСТ 30804.6.2-2013 (IEC 61000-6-2:2005) "Совместимость технических средств электромагнитная. Устойчивость к электромагнитным помехам технических средств, применяемых в промышленных зонах. Требования и методы испытаний", раздел 8; ГОСТ 30804.6.4-2013(IEC 61000-6-4:2006) "Совместимость технических средств электромагнитная. Электромагнитные помехи от технических средств, применяемых в промышленных зонах. Нормы и методы испытаний", разделы 4, 6–9. Условия хранения продукции в соответствии с ГОСТ 15150-69 "Машины, приборы и другие технические изделия. Исполнения для различных климатических районов. Категории, условия эксплуатации, хранения и транспортирования в части воздействия климатических факторов внешней среды", срок хранения (службы, годности) указан в прилагаемой к продукции товаросопроводительной и/или эксплуатационной документации.

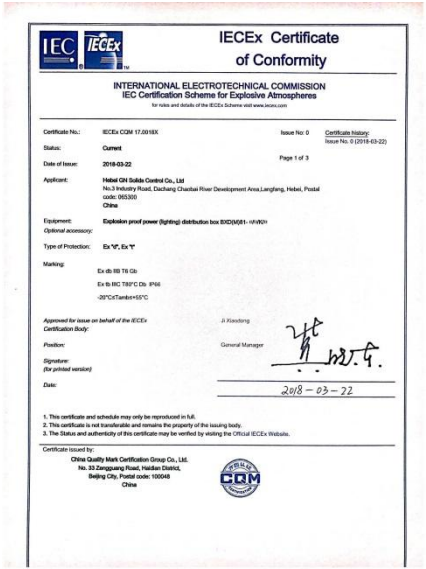
Декларация о соответствии действительна с даты регистрации по 08.10.2024 включительно

Племянников Максим Петрович

Регистрационный номер декларации о соответствии: ЕАЭС N RU Д-CN.HA78.B.14492/19

Дата регистрации декларации о соответствии: 09.10.2019

Russia EAC
CN.HA 78.B.14492/19



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Certificate No.: IECEx CQM 17.0018X
Status: Current
Date of Issue: 2018-03-22
Applicant: Hebei GN Solids Control Co., Ltd
Equipment: Explosion proof power (lighting) distribution box BXD(M)81-*/*K*
Type of Protection: Ex "d", Ex "t"
Marking: Ex db IIB T6 Gb
Ex tb IIIC T80°C Db IP66
-20°C≤Tamb≤+55°C

Approved for issue on behalf of the IECEx Certification Body:
Position: General Manager
Signature: (for printed version)
Date: 2018-03-22

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:
China Quality Mark Certification Group Co., Ltd.
No. 33 Zangguang Road, Haidian District,
Beijing City, Postal code: 100048
China

IEC EX
CQM 17.0018X



TÜV NORD

(1) EU-Type-Examination Certificate
(2) Equipment and protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU
(3) Certificate Number: TÜV CY 20 ATEX 0206361 X
(4) for the equipment: Explosion proof power (lighting) distribution box Type: BXD(M)81-*/*K*
(5) of the manufacturer: Hebei GN Solids Control Co., Ltd
(6) Address: No.3 Industry Road, Dachang Chaobai River Development Area, Langfang, Hebei - CHINA
Order number: 0206361
Date of issue: 2020-10-19
(7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.
(8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in the confidential report No. 20 0206361.
(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012/A11:2013 EN 60079-1:2014 EN 60079-31:2014
(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
(11) This EU-Type-Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.
(12) The marking of the equipment or protective system must include the following:
II 2G Ex db IIB T6 Gb
II 2D Ex tb IIIC T80°C Db

TÜV CYPRUS (TÜV NORD Group),
The Notified Body,

TÜV CYPRUS (TÜV NORD) Ltd.
2 Papaflessa Str., 2235 Latsia, Nicosia - P.O.Box: 28722, 1663 Nicosia, Cyprus
Tel:+357 22 44 28 48 Fax:+35722 44 28 50 e-mail: info@tuvcyprus.com.cy
www.tuv-nord.com/cy

This certificate may only be reproduced without any change, schedule included. Excerpts or changes shall be allowed by the TÜV CYPRUS Ltd.

CY-QF-QMO-ATEX-010-11-MD_Rev01_04.09.2018

Page 1/3

Europe ATEX
ATEX 0206361 X

Suppliers

Only Top Quality

SKF

Parts
Mechanical

GN products use SKF bearings, and OLI Vibration Motors to ensure longer operation life.SS-304 Bolts and Nuts

ABB

SIEMENS

OLI® Vibrator

Schneider Electric

Coating
Japan Kansai Brand

Epoxy zinc-rich anticorrosive heavy-duty painting and coating for offshore and onshore applications

COSCO ALESCO

Parts
Electrical

Electrical components inside the panel is ABB/SIEMENS/Schneider brand, VFD is ABB or SIEMENS Brand.

GN Strength

Why Choose GN?

High Quality: GN has obtained ISO9001, ISO14001, ISO45001, and API Q1 quality management certifications. Our products are CE (EU) and EAC (Russia) certified. GN employs an ERP + CRM cloud-based management system to ensure the delivery of high-quality products to customers.

Capability: GN's factory spans 110,000 square meters in the suburbs of Beijing. It is equipped with numerous automatic welding robot workstations, large laser cutting machines, imported CNC machining centers, and large automatic injection molding machines, among other advanced equipment. GN Separation's US branch is the pioneering and largest Chinese manufacturer of separation equipment.

New Tech GN holds over 60 patents in the separation equipment field. Since 2008, we have accumulated over 17 years of R&D and manufacturing experience in centrifuges and vibrating screens. GN has been recognized as a National Key "Little Giant" Enterprise.

Solutions GN's separation equipment offers a comprehensive product range, providing users with turnkey engineering solutions. We can supply individual equipment or integrate complete separation systems tailored to customers' specific needs.

International GN's separation equipment has been exported to over 70 countries and regions worldwide, earning high praise from industry customers. We have established branches in Houston, USA, Moscow, Russia, and Brisbane, Australia.

Products

Main Equipment



Centrifuge Equipment

Decanter Centrifuge, 3 phase decanter, 2 phase and 3 phase disc stack centrifuge.



Mining Vibrating Screen

Mineral separation Screen, Classification screen and , Dewatering vibrating screen



Solids Vacuum Pump

Solids or Sludge Vacuum Pump for solids, liquid and sludge or slurry pumping solution



Dewater Screw Press

Dewatering Screw Press machine for sludge treatment and, chemical dosing unit

Applications

Separation & Conveying Solutions



Environmental Solutions

Environmental waste treatment, Waste water treatment, waste oil recovery, sludge dewatering and waste conveying.



Mining & Construction

Mineral separation, mining tailing treatment, construction material and mud treatment.



Chemical Industry

Chemical and pharmaceutical material handling and treatment and material transfer solutions



Food & Beverage

Food, Beverage, Edible Oil separation processing and transfer solutions .



www.gnseparation.com

Products

Decanter Centrifuges



9 inch (220mm)



14 inch (360mm)



18 inch (450mm)



22 inch (550mm)



26 inch (650mm)



30 inch (760 mm)



Hyraulic Drive

Products

Decanter Centrifuges

Series	Beach Angle	Type	Features	Main Application
T Series	8.5°	Dewatering Type	Dewatering Decanters are continuously operating for maximum dewatering requirements	Drilling mud, environmental protection sewage, oily sludge, chip fluid, sand washing water, mineral water, soda white mud, salt mud dewatering, etc.
Y Series	15°	Separation Type	Separation of two phase material and also fit for material with viscosity	Mineral oil, chemical viscous materials, fruit juice, coffee, tea, wine, soybean milk, rubber treatment in leather factories, biodiesel, starch and so on.
C Series	20°	Clarifying Type	Clarifying decanters are designed for the continuous separation of suspensions into solids and clarified liquid	Edible oil, Protein, Cheese, Casein ,Lactose， Beverage, Fish By-Products ,oil and water clarifying etc.

GN Decanter Centrifuge Function

1)Dewatering sludge / mud and suspensions

2)Thickening sludge or mud

3)Clarifying different type liquids

4)Separating 3-phase mixtures, i.e. two immiscible fluid phases and a solid phase

5) Classifying solids in a wet suspension by grain size

6) Separation of solids according to various densities

Decanter Centrifuge

2 Phase Separation

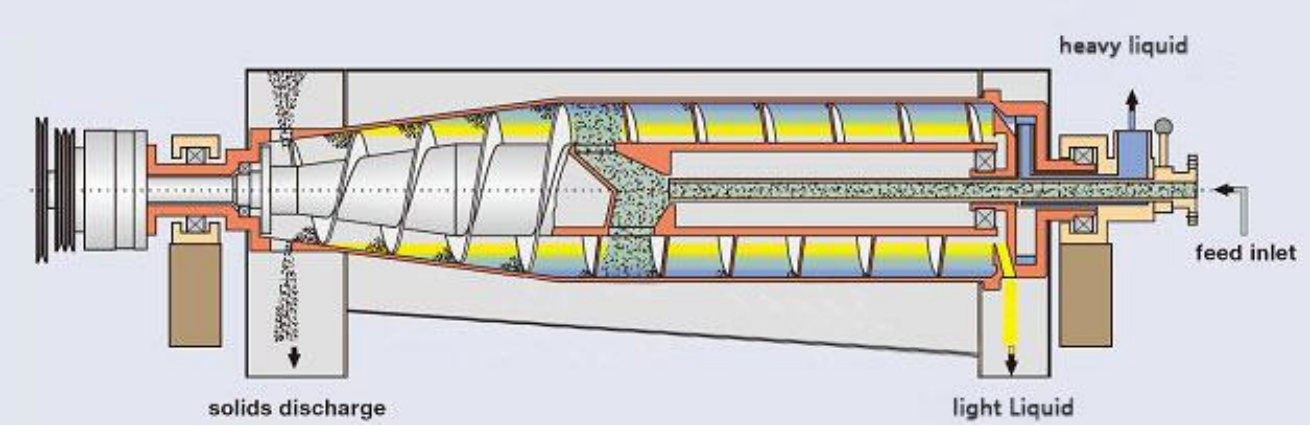
Model	GNLW-224G	GNLW-364G	GNLW-454G	GNLW-554G	GNLW-654G	GNLW-764A
Bowl Diameter	220 mm (9 Inch)	360 mm (14 Inch)	450 mm (18 Inch)	550 mm (22 Inch)	650 mm (25.6 Inch)	760 mm (30 Inch)
Bowl Length	924 mm (36.4 Inch)	1512 mm (59.5 Inch)	1890 mm (74.5 Inch)	2310 mm (91 Inch)	2730 mm (82 Inch)	3328 mm (131 Inch)
Max Speed (RPM)	5054 RPM	3964 RPM	3437 RPM	3112 RPM	2864 RPM	2605 RPM
Max G Force	3200 G	3200 G	3000 G	3000 G	3000 G	2900 G
Bowl L/D Ration	4.2	4.2	4.2	4.2	4.2	4.4
Beach Angle	8.5/15/20 Degree (Optional for different Applications)					
Drive Type	VFD+PLC+ HMI					
Bowl Material	Stainless Steel SS2304/SS316/SS2205 made from centrifugal casting					
Screw Wear Protection	Tungsten Carbide Tiles / Hard facing					





3 Phase Decanter

Working Principle



The three-phase decanter centrifuge operation is based on the principle of sedimentation, that is, solid particles with specific liquid weight precipitate in a predetermined time. This principle can also be applied to two immiscible liquids with different specific gravity. When the material enters the high-speed rotating drum, the material rotates synchronously with the drum. Because of the different specific gravity, the centrifugal force is different. The solid particles with the larger specific gravity are subjected to the greatest centrifugal force, followed by the heavy phase liquid (such as water) and the light phase liquid (such as oil). So the centrifugal force is becoming less from outside to inside according to the magnitude of centrifugal force. A concentric solid layer and two liquid layers are formed. Solids are pushed out by the screw conveyor, and liquids are removed from their respective nozzles. Therefore, the application of three-phase decanter centrifuge can not only separate the solid in the material, but also separate the two-phase liquid with different specific gravity in the material, that is, Solid-liquid-liquid separation can be achieved.

Specifications

3 Phase Decanter

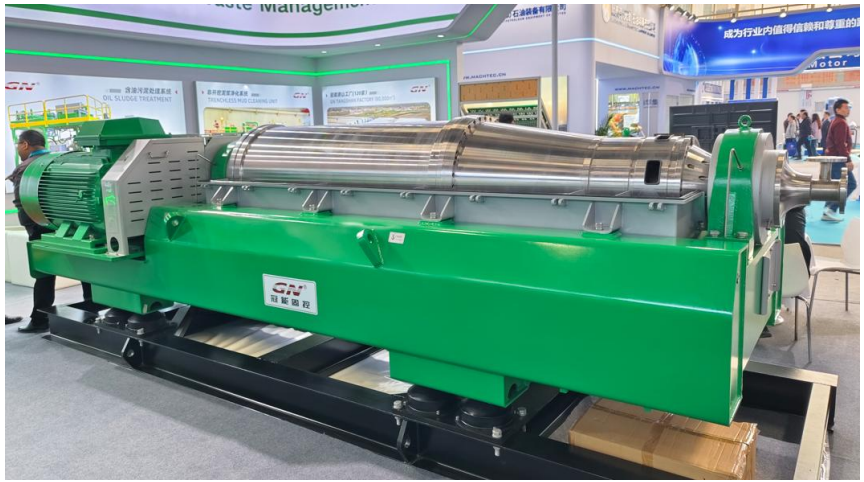
Model	GNLWS-364G	GNLWS-454G	GNLWS-554G
Type	Continues Oil / Water / Solids Separation		
Bowl Dia	360mm	450mm	550mm
Bowl Length	1567mm	1947mm	2347mm
Capacity	5 m3/h	10 m3/h	15m3/h
Max Speed	3964 RPM	3437 RPM	3112 RPM
Max G Force	3200 G	3000 G	3000 G
Diff. Speed	0- 30 RPM	0- 30 RPM	0 - 30 RPM
Main Drive	30/22 KW	45/37 KW	75/55KW
Back Drive	7.5 KW	15/11 KW	18.5/22 KW
Lubrication	Grease/Oil	Oil Pump	
Oil Pump Size	N/A or 0.37KW	0.37 KW	0.37 KW
Feed Material	Solids Less 10% and Particle Size less than 2mm		





Decanter Centrifuge

Features of T series for Dewatering / Thickening





The bowl Assembly Adopts High Level Stainless Steel Material

1. The shaft caps on the two ends and the bowl are made of duplex stainless steel SUS2205 or SUS2304 by centrifugal casting, which is superior to the performance of SUS304 and SUS316.;

2. The main parts are made by centrifugal casting and die forging process to avoid intergranular corrosion and incomplete residual stress release caused by traditional welding process.

High Quality Technology Ensures Quality

1.The precision machining adopts CNC equipment, with high precision and good consistency.

2. After each main rotary parts are machined by high precision CNC equipment, the centrifuge is treated with three dynamic balance processing again, including the 1800RPM medium speed dynamic balance in the main rotary body component, the actual working speed high speed dynamic balance for screw and the whole machine balance, so as to ensure the stable operation of the centrifuge under the high speed working condition.

Decanter Centrifuge

Features of T series for Dewatering / Thickening



Slag Outlet Wear resistance protection

1.The slag discharge port is protected by replaceable hard alloy sleeve.

2.Carbide scrapers are installed on the top and side of the slag discharge port of the bowl, which can effectively protect the bowl and prevent wear.

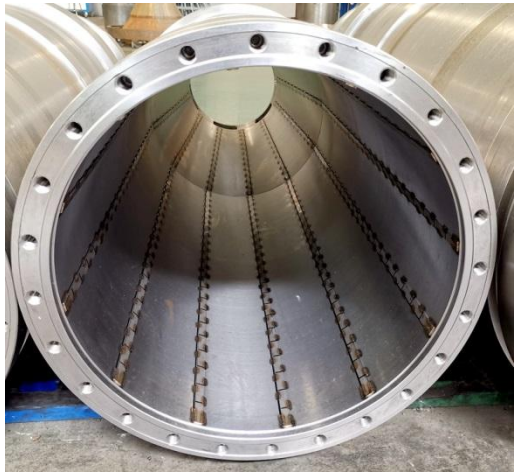
3.The 360 degree rectangular slag discharge port ensures smooth slag discharge to prevent blocking.



Liquid Outlet Weir Height Adjustment

1.Sliding overflow weir plate with scale is adopted for the cofferdam of liquid discharge port, which can adjust the clarity of discharged liquid and the dryness of solid conveniently according to different working conditions.

2. The design of sliding overflow weir plate also greatly improves the adjustable range of overflow weir plate.



Bowl Internal Protection

1.The wear-resistant and anti-skid bars welded inside the bowl can effectively reduce the wear of the bowl during operation, prevent the material from slipping inside the bowl, and improve the slag conveying efficiency.

2.Once the anti skid bars were worn, it can also be repaired and replaced conveniently and quickly.

Decanter Centrifuge

Features of T series for Dewatering / Thickening



Material of Screw

1.The main material of the screw is duplex stainless steel SS2205, SS2304 or higher.

2.According to the treatment requirements, BD (Baffle Disc) can be used to separate the dewatering area from the sediment area, so that the depth of the liquid pool is deeper and the dewatering area is longer.

3.According to the material characteristics, the gradual pitch can be used to increase the pressing force to improve the dryness of slag.

4.The screw blade is pressed by CNC integral forming equipment to improve the slag conveying efficiency.



Tungsten Carbide Tiles Protection (Optional)

1.According to the wear characteristics of slurry, the screw distribution port can be protected with replaceable carbide sleeve.

2.The screw blade is protected by replaceable hard alloy plate.

3.The alloy sleeve is with good wear resistance and convenient for maintenance and replacement.



Hard Facing Wear Resistant Coating (Optional)

1.According to the material conditions, the hard facing of tungsten carbide or the wear-resistant layer of acid and alkali resistant Stellite hard alloy cast rod can be selected.

2. Adopt robot tungsten carbide or hard alloy cast rod surfacing technology to improve the quality of surfacing and extend the service life of the screw.

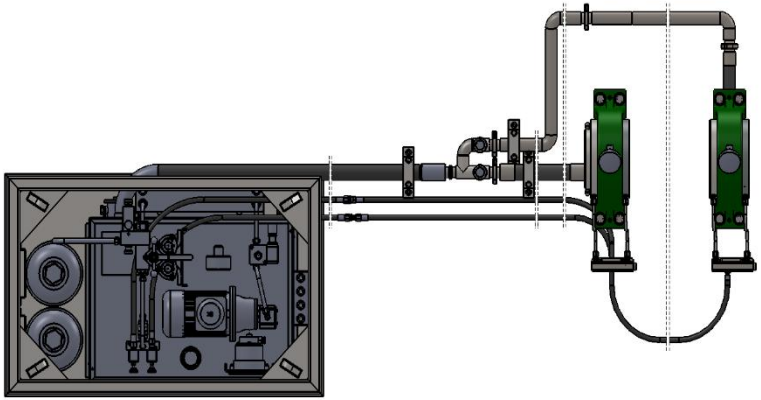
Decanter Centrifuge

Features of T series for Dewatering / Thickening



Planetary Gear Box

1. The planetary gear box is of large transmission torque, small size, stable operation and convenient maintenance.
2. The differential speed ratio can be selected according to different materials.



Bearing Lubrication System

1.Grease lubrication is selected for small models, which can be equipped with automatic grease injection lubrication system.

2. The lubricating system of thin oil circulating oil station is adopted for large models, which can meet the requirements of heavy load and high speed operation. The effect of thin oil circulation lubrication on the cleaning and cooling of bearings is obvious, which greatly improves the service life of bearings.



SKF High End Brand Bearing

1. Excellent stability and long service life.
2. Convenient for users to find and replace spare parts.

Decanter Centrifuge

Features of T series for Dewatering / Thickening



Stainless Steel VFD Control Panel

1.Excellent corrosion resistance and long service life.

2. Minimum IP55 protection level meets outdoor use demand.

3.The positive pressurized explosion-proof control panel can be made according to requirement.



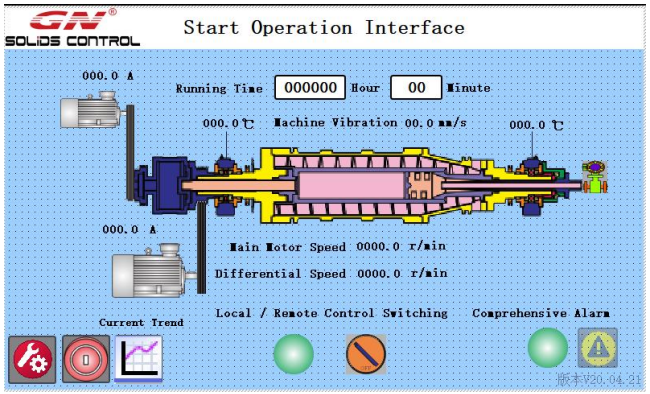
Famous brand electric components

1.VFD from Yaskawa, ABB or Siemens series.

2. PLC and touch screen from Siemens or other famous brands.

3. Circuit breakers and other components from Schneider or other famous.

4. Common DC (Direct Current) bus energy feedback braking is adopted to achieve the purpose of energy saving



Automation and intelligence

1. The Constant Torque control system can be realized according to the demand.

2. The complete monitoring and alarm system can meet the requirements of bearing temperature rise protection, vibration monitoring and protection, overload protection, etc.

3. Control and display bowl speed and differential speed. Monitor the current of main motor and back motor.

4. Automatic flushing and dosing control can be equipped according to customer requirements

Decanter Centrifuge

Features of T series for Dewatering / Thickening







Bowl Processing

The centrifugal casting bowl is processed by high-precision CNC lathe to ensure the concentricity of inside & outside of the bowl and the bearing positions at both ends.

Bearing Seat Processing

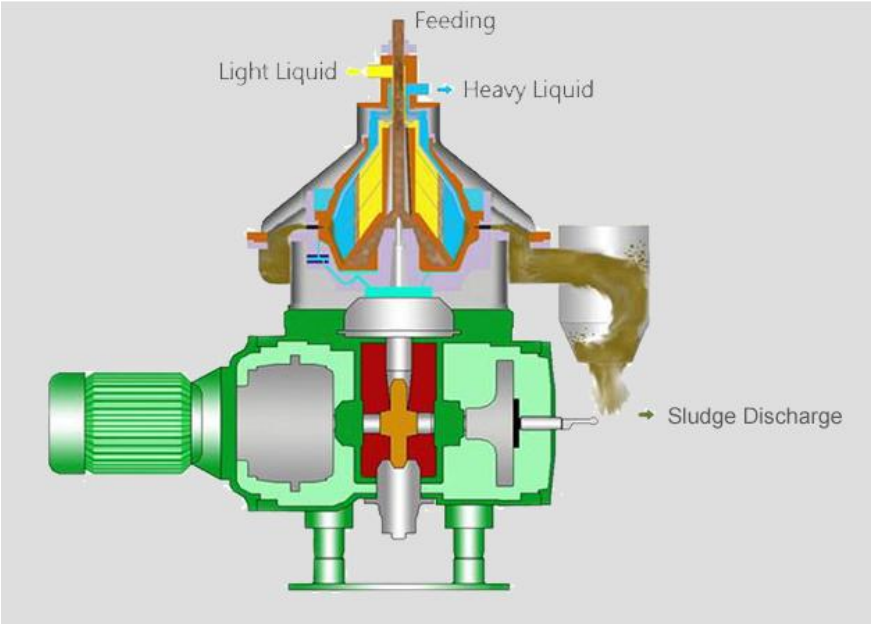
The special processing tooling for bearing seat is made to ensure that the processing of bearing seat bottom surface, bearing seat hole and bearing seat end surface can be completed one-time installed in CNC machining center. And the parallelism between bearing seat bottom surface and bearing seat hole, as well as the vertical accuracy of bearing seat hole and bearing seat end surface can be strictly guaranteed.

Screw Processing

The special processing tooling for processing the screw is made to ensure that the shaft holes at both ends of the screw can be processed once installed in the CNC machining center, and the rotary concentric accuracy of the screw is strictly guaranteed.

Working Principle

3 Phase Disc Stack Separator



Working Principle & Features

The separated material enters into the heart of the machine, that is, the inside of the bowl. Under the action of strong centrifugal force, the material passes through a set of disc bundle separation intervals. With the neutral holes of the disc as the interface, the liquid with larger specific gravity moves along the disc wall towards the outside the neutral hole, where heavy slag accumulates in the sediment area, and the heavy phase liquid flows upward to the centripetal pump; the lighter liquid with a smaller specific gravity moves along the disc wall into the neutral hole and converges to the lower centrifugal pump. The light and heavy liquid phases are discharged by the lower centrifugal pump and the upper centripetal pump respectively; the heavy slag is regularly discharged; continuous production is implemented.

Products

3 Phase Disc Separator

Model	GNSD-40	GNSD-90	GNSD-125	GNSD225
Type	Liquid-Liquid Separation (or Liquid-Liquid-Solid Separation)			
Bowl Diameter	440mm	580mm	620mm	800mm
Slide Piston	380mm	500mm	550mm	700mm
Theory Capacity	1-2 m3/h	5-10m3/h	10-15 m3/h	20-25m3/h
Max. Speed	7100RPM	6150RPM	6000RPM	4500RPM
Max. G Force	12409G	12273G	12488G	9063G
Motor Power	11KW	18.5KW	30KW	45KW
Feeding Pressure	0-0.1Mpa			
Starting Time	10-15 minutes			
Feed Material	Solids<3%			

Applications

GN 3 phase disc stack separator is a high-speed, stable, sealed, efficient, and automatic slag discharge 3 phase separation equipment. It is widely used for liquid, liquid, solid 3-phase separation or liquid-liquid separation. The 2-phase solid-liquid separation disc separator has only one liquid discharge port and one slag discharge port, while the 3-phase disc separator has two liquid discharge ports and one slag discharge port, which can separate two liquids with different specific gravity at the same time. It can also discharge solid phase materials. Compared with the 3 phase decanter centrifuge, the 3 phase disc separator has larger rotation speed and G force. The 3 phase decanter centrifuge usually has a separation factor of about 3000G, while the 3 phase disc stack separator G force is up to 12000G. Therefore, the 3 phase disc separator can more thoroughly separate liquids with different specific gravity and the liquid phase discharged is more clarified. However, compared to 3 phase decanter centrifuges, 3 phase disc separator is more used to separate materials containing fine particles, with less solids content. So before entering the 3 phase disc separator, the material can separated by the decanter centrifuge for pre-stage separation to reduce the solids content and remove big particles.



Products

2 Phase Disc Separator

Model	GNLD-40	GNLD-90	GNLD-125	GNLD225
Type	Clarification/Liquid & Solids Separation			
Bowl Diameter	440mm	580mm	620mm	800mm
Slide Piston	380mm	500mm	550mm	700mm
Theory Capacity	1-2 m3/h	5-10m3/h	10-15 m3/h	20-25m3/h
Max. Speed	7100RPM	6150RPM	6000RPM	4500RPM
Max. G Force	12409G	12273G	12488G	9063G
Motor Power	11KW	18.5KW	30KW	45KW
Feeding Pressure	0-0.1Mpa			
Starting Time	10-15 minutes			
Feed Material	Solids<3%			

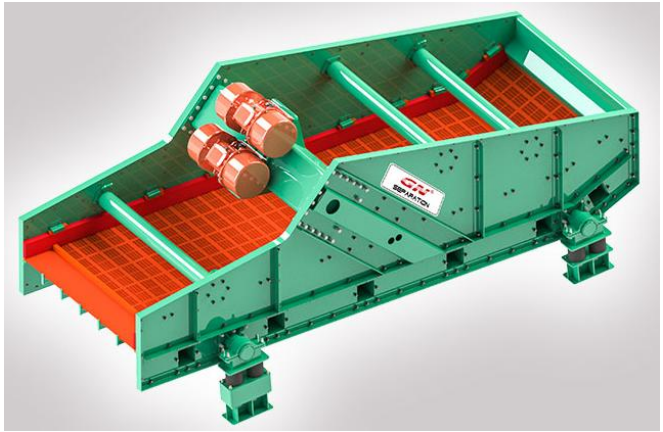
Applications

The 2 phase disc stack separator is used to separate the fine particles from the liquid and discharge clarified liquid. Compared with decanter centrifuge, the G force of 2 phase disc stack separator is much higher than decanter centrifuge. The disc stack separator G force is up 12000g. Generally, the G force of the decanter centrifuge is about 3000G. The high speed and G force makes the disc stack separator to produce high clarified liquid. However, the materials separated by disc separator should not have high solid content or big particles. Usually the particles content should be less than 3%, it's better to be 1%. Therefore, in some application, pre-treatment will be carried out by decanter centrifuge or other separation equipment, and then clarification and separation will be carried out in the 2 phase disc stack separator. The 2 phase disc stack separator is widely used in vegetable oil clarification, biological and chemical pharmaceutical industry, dairy and beverage industry, biofuel and marine oil clarification, etc.



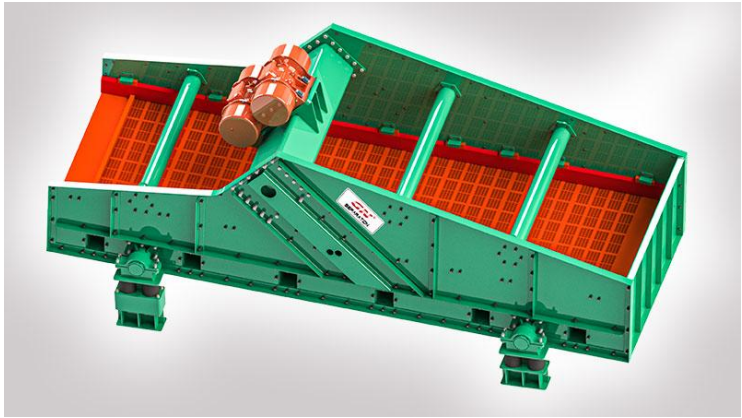
Linear Vibrating Screen

Coarse Particle Screening



Dewatering Screen

GN Dewatering Vibrating Screen is widely used in the mining industry, coal industry, construction material, metallurgy industry, and chemical industry. The linear motion dewatering vibrating screen can be used for dewatering, desliming, demineralization and dry discharge of mining tailings.



Classification Screen

GN Classification Vibrating Screen is widely used in the classification and screening of iron ore, coal, non-ferrous metal ore, building materials, chemical industry and other materials.

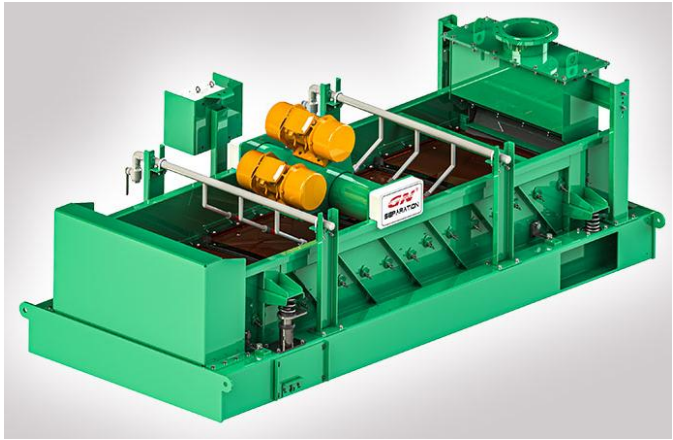
High Frequency Vibrating Screen

Fine Particle Screening



Stack Vibrating Screen

GN Stack Vibrating Screen is mainly suitable for wet screening, classification and dehydration treatment of fine-grained materials in mineral processing, coal preparation and other industries. It can be set to 2 to 5 layers according to on-site requirements.

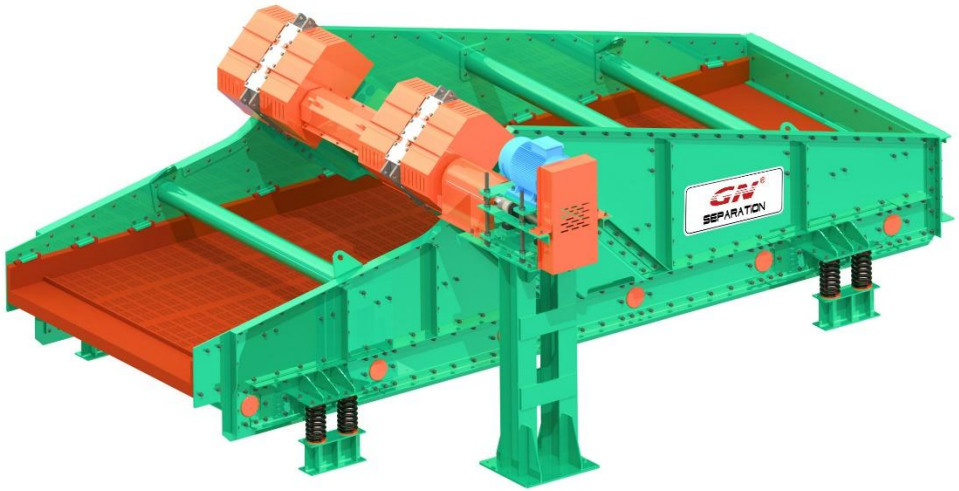


High G Vibrating Screen

GN High Frequency Fine Vibrating Screen is mainly suitable for wet screening, classification and dewatering treatment of fine-grained materials in Mineral and coal preparation and other industry.

Large Linear Vibrating Screen

Mineral Separation



Screen Area: 14-40 m2

Brief Introduction

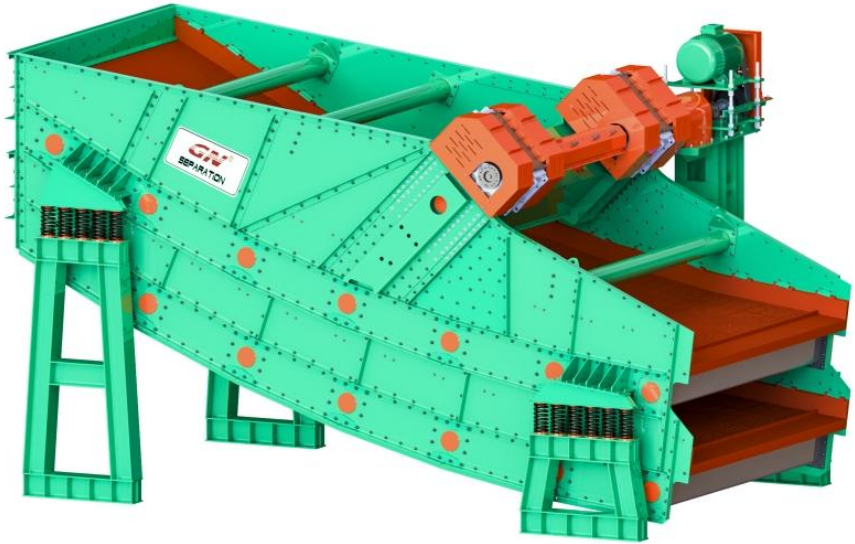
GN large linear vibrating screen is mainly composed of box type vibration exciter, screen box, vibration damping spring, support and driving device, and the running amplitude track is linear. The screen machine can be arranged horizontally or at an inclined angle. It is widely used in wet classification, dewatering, demineralization, tailings dry discharge and other process links in mineral processing, coal preparation, gravel aggregate, building materials, chemical industry and other industries. The screen surface structure is generally divided into single layer or double layer. The model of screen unit can be customized according to customer requirements.

Main Application Material:

- **Metal Minerals:** iron ore, copper ore, aluminum ore, gold ore, lead ore, zinc ore, platinum ore, chromium ore, manganese ore, etc.
- **Industrial Minerals:** Bentonite, borax, calcium carbonate, carbon, carbon black, ceramic powder, ball and kaolin, feldspar, glass fiber, garnet, glass, graphite, gypsum, ferrotitanium ore, limestone, magnesite, magnetite, metal powder, mica, potassium salt, phosphate, salt, talc, vermiculite, etc.
- **Other materials:** Sand, aggregate, coal mine, silica sand, plastic, fertilizer, etc.

Large Banana Vibrating Screen

Mineral Separation



Screen Area: 14-40 m2

Brief Introduction

GN large banana vibrating screen is mainly composed of box type vibration exciter, screen box, vibration damping spring, support and driving device, and the running amplitude track is linear. The broken line screen surface design formed by the combination of continuous multi-stage angles is adopted, and the inclination angle of the screen surface at the feeding end is large, which can make the materials move and layer rapidly, which is conducive to the screening of easy screening materials. With the decrease of the inclination of the screen surface near the discharge end, the flow rate of the material decreases, which increases the screening probability of the material and improves the screening efficiency. banana vibrating screen is mainly used in dry and wet classification, desliming, demineralization and other process links.

Main Application Material:

•**Metal Minerals:** iron ore, copper ore, aluminum ore, gold ore, lead ore, zinc ore, platinum ore, chromium ore, manganese ore, etc.

•**Industrial Minerals:** Bentonite, borax, calcium carbonate, carbon, carbon black, ceramic powder, ball and kaolin, feldspar, glass fiber, garnet, glass, graphite, gypsum, ferrotitanium ore, limestone, magnesite, magnetite, metal powder, mica, potassium salt, phosphate, salt, talc, vermiculite, etc.

•**Other materials:** Sand, aggregate, coal mine, silica sand, plastic, fertilizer, etc.

Flip-Flow Vibrating Screen

Mineral Separation



Brief Introduction

GN Flip-Flow Vibrating Screen is mainly composed of box type exciter, main vibrating screen frame, floating screen frame, shear spring, damping spring, flexible polyurethane screen mesh, support and driving device. The running amplitude is linear. Flip-Flow Vibrating Screen adopts the principle of double mass near resonance, so that the floating screen frame has a large amplitude, and the screen surface can deliver the material with an acceleration of up to 50 G. It is widely used in dry screening of medium and fine-grained, wet, sticky and other difficult to screen materials. It is not easy to block holes and has high screening efficiency.

Main Application Material:

- **Metal Minerals:** iron ore, copper ore, aluminum ore, gold ore, lead ore, zinc ore, platinum ore, chromium ore, manganese ore, etc.
- **Industrial Minerals:** Bentonite, borax, calcium carbonate, carbon, carbon black, ceramic powder, ball and kaolin, feldspar, glass fiber, garnet, glass, graphite, gypsum, ferrotitanium ore, limestone, magnesite, magnetite, metal powder, mica, potassium salt, phosphate, salt, talc, vermiculite, etc.
- **Other materials:** Sand, aggregate, coal mine, silica sand, plastic, fertilizer, etc.

Vibrating Screen Panel

Coarse Screen Panel



Coarse Polyurethane Screen Panel

- **Screen Panel Opening: 0.2-30mm**

Panel frame is covered with polyurethane that made of injection molding. Good wear resistance and strong corrosion resistance. While it is not resistant to high temperature above 100 C degrees and the conductance is average.



Coarse Metal Opening Screen

- **Screen Panel Opening: 0.2-30mm**

Welded by SS bars. The opening is wedge-shaped, anti-blocking. Various opening specifications can be customized, with high temperature resistance and good conductance.

The disadvantage is not suitable for ultra-fine particle screening.

Vibrating Screen Panel

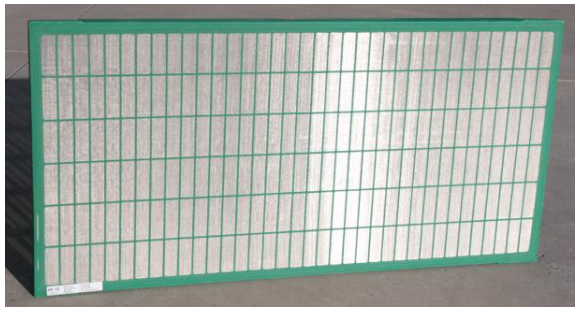
Fine Screen Mesh



Polyurethane Screen Mesh

- **Screen Panel Opening: 0.045-2 mm**

Polyurethane screen mesh is a polymer polyurethane elastomer, which has excellent physical and mechanical properties: high strength, high elasticity and high wear resistance. The opening rate of polyurethane screen with different mesh is 28% ~ 45%. Conductance is worse than SS wire mesh.



Steel Wire Mesh

- **Screen Panel Opening: 0.038-2 mm**
- Stainless Steel wire mesh is woven into screen cloth, then hot pressed and bonded to the support frame. Characterized by screen ultra-fine particles, good conductance and anti-block. The disadvantage is the wear resistance is weak

GN Screw Press

Sludge Dewatering Machine



Brief Introduction

GN screw press sludge dewatering machine is a kind of economic and environmental friendly sludge dewatering equipment. It is a new type of sludge extrusion dewatering equipment by using the principle of screw extrusion, through the strong squeezing force generated by the change of screw diameter and screw pitch, and the tiny gap between the floating ring and the fixed ring, to realize solid-liquid separation.

GN dewatering screw press is composed of fully automatic control cabinet, flocculation modulation box, sludge thickening and dewatering device, and liquid collecting tank. GN dewatering screw press is with automatic control technology, which can realize the flocculation fully automatic operation, and continuously complete the sludge thickening and squeezing, finally return or discharge the collected filtrate liquid.

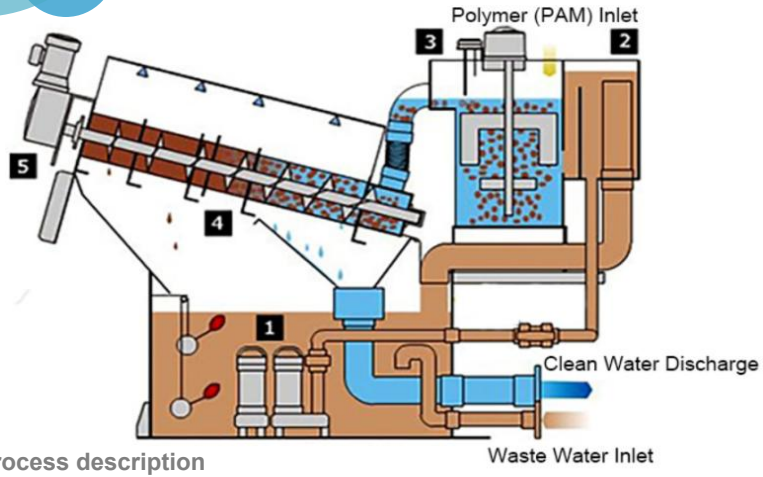
GN screw press dewatering machine is widely used in sewage treatment projects of municipal, aquaculture, food, starch, oil, pharmaceutical, chemical, paper, leather and other industries

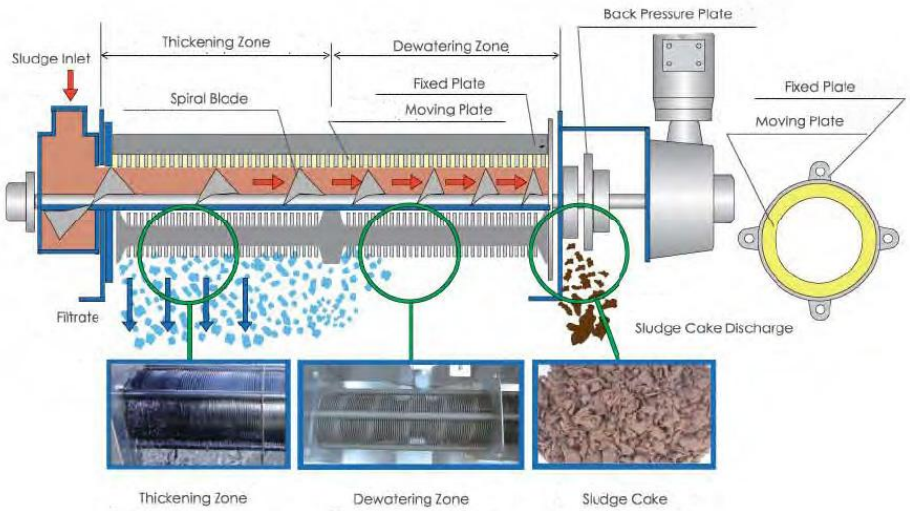
Advantages of Screw Press Sludge Dewatering Machine

- 1. Suitable for wide range sludge dewatering and can be used for oily sludge treatment.
- 2. Operating continuously and automatically, not easy to block.
- 3. Low investment and operation cost, no secondary pollution.
- 4. Energy saving and environmental friendly, compact design with small footprint.
- 5. Sludge can be dewatered under aerobic conditions to avoid phosphorus release from anaerobic sludge dewatering.

GN Screw Press

Working Principle



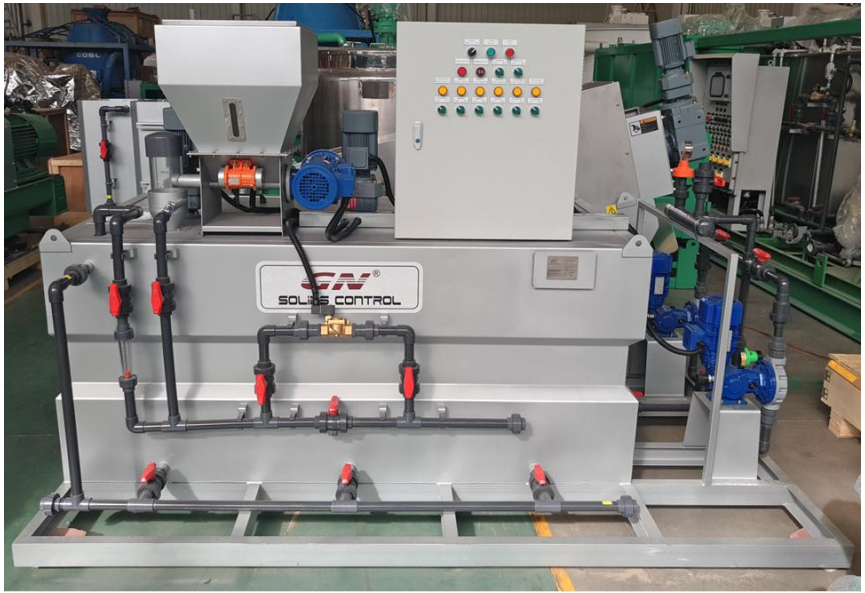


Process description

1. The sludge is delivered to the metering tank through the sludge pump, and then the sludge flows into the flocculation mixing tank. The excess sludge flows back to the sludge tank from the overflow pipe.
2. Inject polymer flocculants into the flocculation mixing tank, alum floc formed after stirring, and then enters into the dewatering section of the screw press after gravity concentration section.
3. Along the direction of the mud cake discharge outlet, the screw pitch of the screw gradually becomes smaller and compressed by the pressing plate, so that the internal pressure in the main body becomes larger. After the purpose of dewatering is achieved, the mud cake is discharged.
4. Self cleaning: the rotation of the screw shaft drives the continuous rotation of the floating ring. The equipment relies on the movement between the fixed ring and the floating ring to realize the continuous self-cleaning process, so as to ingeniously avoid the blocking problems commonly existing in the traditional dewatering equipment.
5. The clean filtrate after treatment by GN dewatering screw press is discharged from the filtrate port.

Automatic Dosing System

Introduction



Introduction

GN automatic chemical preparation and dosing unit is often used in the preparation, storage and dosing of powder chemicals. The whole set of device integrates automatic preparation, dissolving and dosing, and operates automatically; the quantitative screw conveying and timing vibration design of dry powder feeder can reduce the agglomeration of powder. The dry powder dosage and water inflow can be adjusted, and the corresponding concentration of liquid chemical can be prepared according to the working conditions. The built-in electric control cabinet can control the whole preparation and dosing process.

Automatic dosing unit is widely used in wastewater and sewage treatment and other process media treatment in petroleum, chemical, paper, electric power, coal, pharmaceutical and food industries.

Because of its wide applicability, the automatic dosing unit can be used with main dewatering equipment such as decanter centrifuge, screw press and filter press for preparation and dosing flocculants solvent.

Manual Dosing System

Introduction



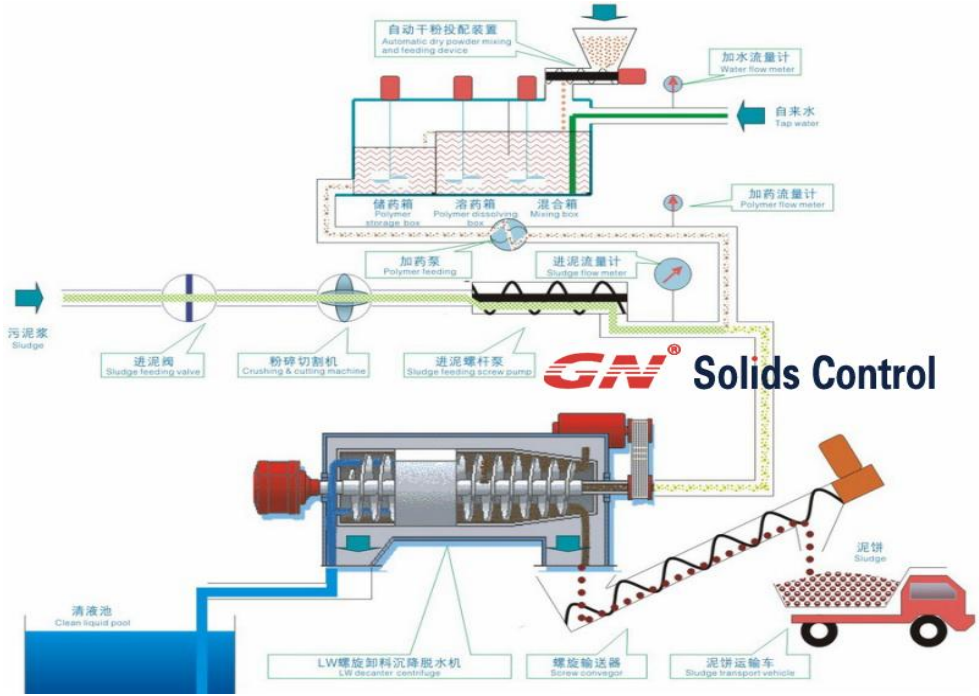
Introduction

GN PE single barrel manual dosing system is commonly used in water treatment, chemical industry, printing and dyeing industry. In the continuous production process, when another solution is added in proportion to water or other media, the dosing process needs to meet the continuous and stable work requirements. The performance of the mixing barrel manual dosing system is stable, which can not only prepare the solution, but also realize the regular and quantitative dosing of chemicals, and has the basic function of continuous and stable dosing.

Compared with the dry powder automatic dosing system, the mixing barrel manual dosing system normally adopts manual injection of chemicals, which has lower cost, and can be applied to the working conditions with small dosage and staff on site. Chemical dispensing can be prepared and used on site, single dosing, or combination of two or more to achieve continuous dosing. According to different dosing requirements, different specifications can be selected. It is usually an integrated skid mounted design, including barrel, dosing pump, electric control cabinet and pipeline manifold.

Dewatering System

Process



Introduction

(1) As we all know, conventional mechanical separation centrifuges can separate more than 2 microns of solid particles. It is difficult to separate solid particles smaller than 2 microns by pure mechanical method. In this way, chemical dosing and flocculation are needed to assist in dewatering and separation.

(2) The common chemical flocculants are polyacrylamide (PAM) and poly aluminum chloride (PAC). According to different manufacturers, there are liquid and solid agents.

(3) Main treatment process: the sewage sludge is crushed by the cutter, and then sent to the dewatering decanter centrifuge by the feed screw pump. Before entering the decanter centrifuge, the chemical flocculants are configured by the chemical dosing device, and injected into the feed pipe on the centrifuge by the dosing pump. In the decanter centrifuge, the solid materials are thrown to the inner wall of the drum by centrifugal force, and then the solid materials are squeezed out by the screw conveyor of the centrifuge. The clean liquid phase flows into the storage tanks.

Integrated Sludge Dewatering System

Reference Picture



Dewatering Decanter Centrifuge + Chemical Dosing System

GN company produces various types of sludge dewatering decanter centrifuges to meet the requirements of customers with different treatment capacity and working conditions.



Sludge Screw Press + Chemical Dosing System

GN company produces various types of sludge screw press to meet the requirements of customers with different treatment capacity and working conditions.

Products

Conveying Equipment



Centrifugal Pump
(Interchangeable with Mission)



Portable Solids Pump



Sludge Vacuum Pump



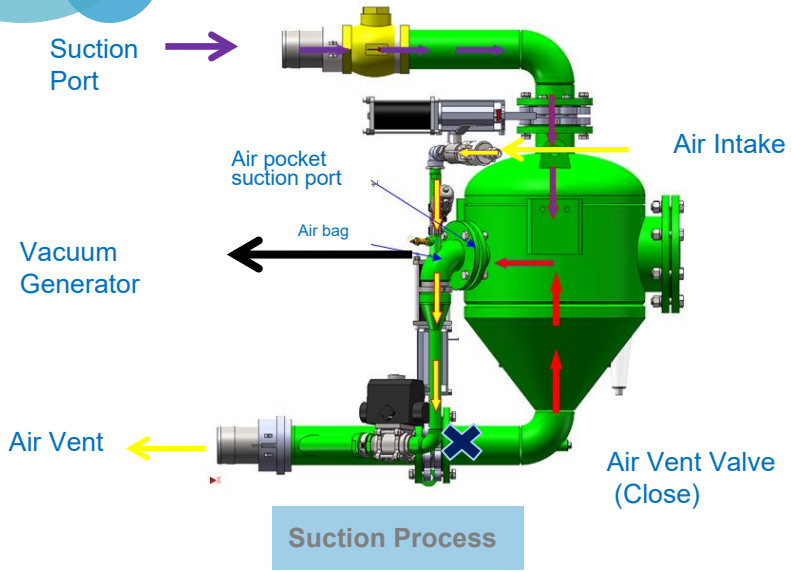
Screw Pump



Screw Conveyor

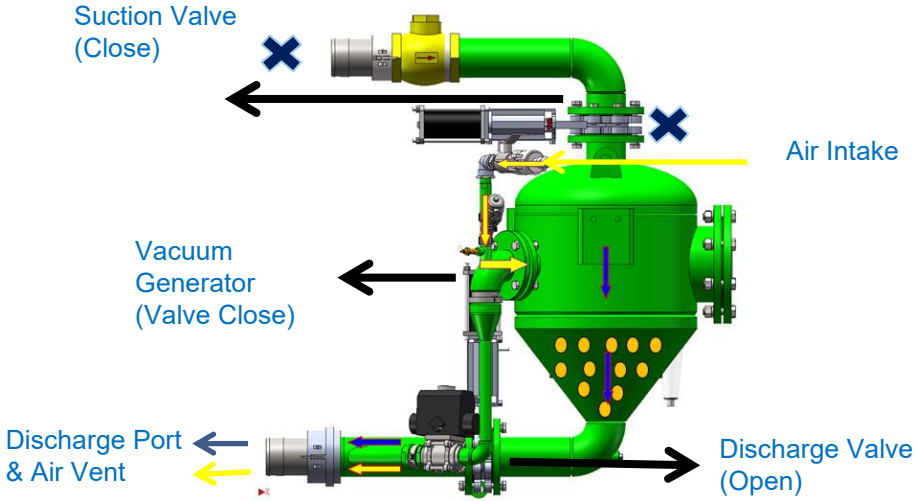
Solids Vacuum Pump

Working Principle



Suction Process

The compressed air enters into the vacuum generator, which produces negative pressure in the pump body and suck materials from the suction port. At this time, the discharge valve is closed. After the suction and discharge time is set, it can be automatically switched, so as to reciprocate work, automatically suction and automatic discharge



Discharge Process

When the valve of vacuum generator is closed, the air flow directly enters into the pump body to produce positive pressure inside the pump body. The discharge valve is in the open state, and the positive pressure will discharge the material along with the air flow out of the pump body. At this time, the suction valve is closed.

Products

Solids Vacuum Pump

Model	GNSP-40B	GNSP-20B	GNSP-10B
Max Capacity	40m³/h	20m³/h	10m³/h
Inlet/Outlet Size	4" (114mm)	4" (114mm)	3" (89mm)
Vacuum Degree	85Kpa/25 inch HG (Mercury Column)		
Max Suction Distance	50m		
Max Discharge Distance	1000m	500m	
Max Solids Content	80%		
Max Solids Size	75mm	50mm	
Pressure Request	550Kpa-785Kpa (80-114PSI)	550Kpa-690Kpa (80-100PSI)	
Air Demand	17m³/min (600CFM)	8m³/min(280CFM)	4.3m³/min(150CFM)
Dimension(LxWxH)	1690×1468×1983mm	1421×900×1448mm	1283×800×1370mm
Weight	892KG	386KG	320KG





Applications

100% Air Operated with High Vacuum and Long Distance Transfer.

1)Thickener de-sludge,
2)Tunneling & TBM applications,
3) Sump and shaft cleaning
4) Mining tailings and ash pond cleaning
5) Digester and pond cleaning,
6) Oil Spill capture and transfer
7) Clean-up of under belt spillage
8) Hazardous waste recovery
9) Drilling mud and cuttings transfer,
10) Transfer of mining slurries and offal transfer
11)High volume guck and slimes transfer.

Products

Centrifugal Sand Pump

Model	Flow (m^3/h)	Lift (m)	Power (Kw)	Motor Speed (RPM)	Impeller (Inch)
GNSB8×6C-14J GNSB8×6C-12J	320m^3/h	35m	75kW	1450RPM (50Hz) 1750RPM (60Hz)	14in 12in
GNSB8×6C-13J GNSB8×6C-11J	272m^3/h	35m	55kW	1450RPM (50Hz) 1750RPM (60Hz)	13in 11in
GNSB6×5C-13J GNSB6×5C-10J	200m^3/h	35m	45kW	1450RPM (50Hz) 1750RPM (60Hz)	13in 10in
GNSB6×5C-12J GNSB6×5C-9.5J	150m^3/h	30m	37kW	1450RPM (50Hz) 1750RPM (60Hz)	12in 9.5in
GNSB5×4C-13J GNSB5×4C-11J	120m^3/h	35m	30kW	1450RPM (50Hz) 1750RPM (60Hz)	13in 11in
GNSB5×4C-12J GNSB5×4C-10J	90m^3/h	30m	22kW	1450RPM (50Hz) 1750RPM (60Hz)	12in 10in
GNSB4×3C-13J GNSB4×3C-12J	65m^3/h	35m	18.5kW	1450RPM (50Hz) 1750RPM (60Hz)	13in 12in
GNSB4×3C-12J GNSB4×3C-10J	55m^3/h	28m	15kW	1450RPM (50Hz) 1750RPM (60Hz)	12in 10in
GNSB4×3C-11J GNSB4×3C-9.5J	45m^3/h	25m	11kW	1450RPM (50Hz) 1750RPM (60Hz)	11in 9.5in
GNSB3×2C-10J GNSB3×2C-9J	35m^3/h	35m	7.5kW	1450RPM (50Hz) 1750RPM (60Hz)	10in 9in

Applications

1) Waste Water Transfer
2) Mud Transfer
3) Slurry Transfer
4) Transfer Fluids with particle size smaller than 2mm



Products

Screw Conveyor

Model	Screw Diameter Inch/mm	Screw Length Ft/m	Capacity (Tons/Hour)	Motor Power (Kw)	Screw Speed (Rpm)
GNSC10-24B	10/250	24/7.3	15	5.5(7.5HP)	50-60
GNSC10-36B	10/250	36/11	15	5.5(7.5HP)	
GNSC10-48B	10/250	48/14.6	15	11(15HP)	
GNSC12-24B	12/315	24/7.3	20	5.5(7.5HP)	50-60
GNSC12-36B	12/315	36/11	20	7.5(10HP)	
GNSC12-48B	12/315	48/14.6	20	11(15HP)	
GNSC14-24B	14/350	24/7.3	30	7.5(10HP)	50-60
GNSC14-36B	14/350	36/11	30	11(15HP)	
GNSC14-48B	14/350	48/14.6	30	15(20HP)	
GNSC16-24B	16/400	24/7.3	45	11(15HP)	50-60
GNSC16-36B	16/400	36/11	45	15(20HP)	
GNSC16-48B	16/400	48/14.6	45	18.5(25HP)	
GNSC18-24B	18/450	24/7.3	55	11(15HP)	50-60
GNSC18-36B	18/450	36/11	55	15(20HP)	
GNSC18-48B	18/450	48/14.6	55	22 (25HP)	

Applications

1) Environmental Waste management industry.
2) Oil Gas Industry
3) Construction bulk material handling
4) Grain industry.
5) Chemical and Pharmaceutical Engineering Industry.
6) Mining Industry
7) Food & Beverage Industry
8) Power and metallurgy Plant
9) Coal industry



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