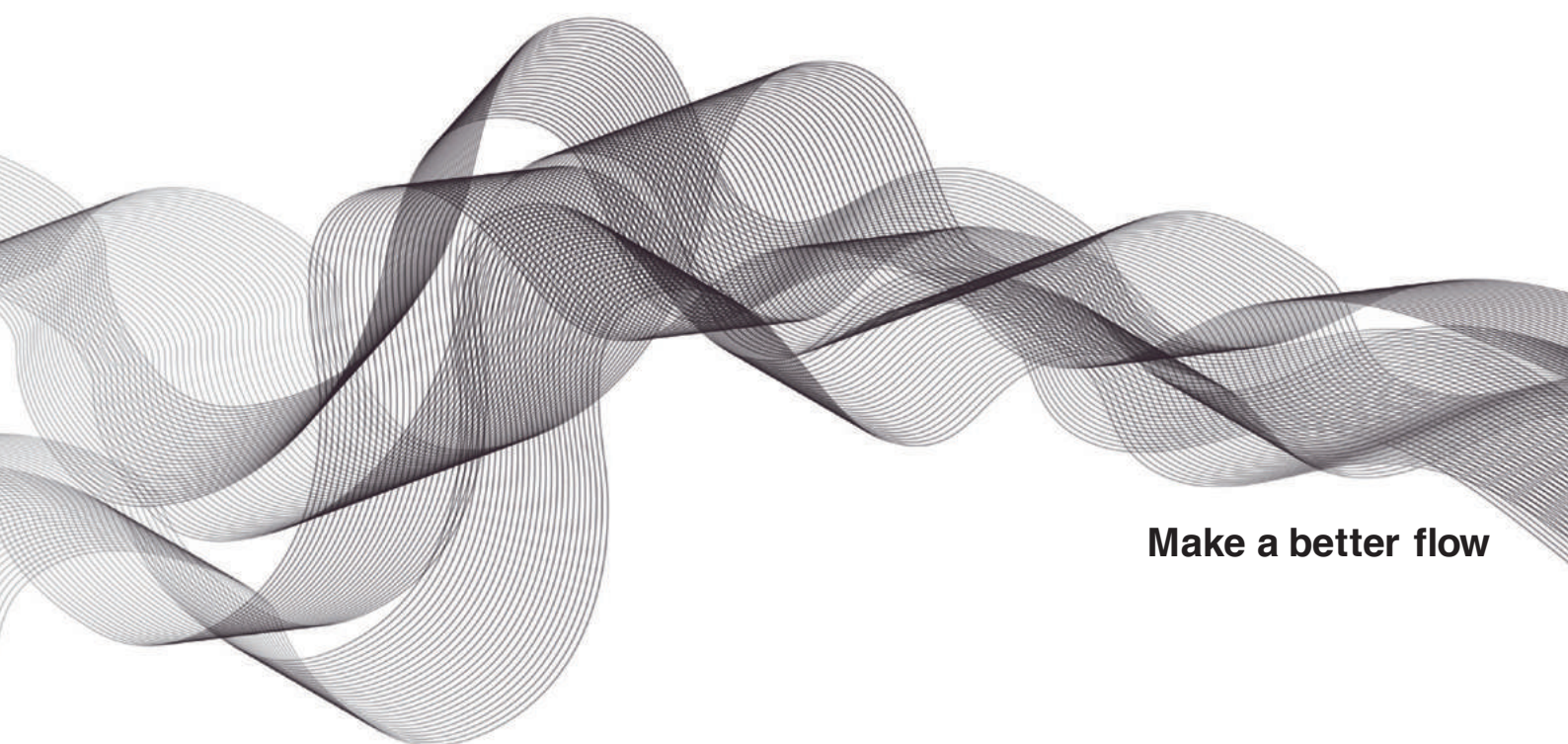
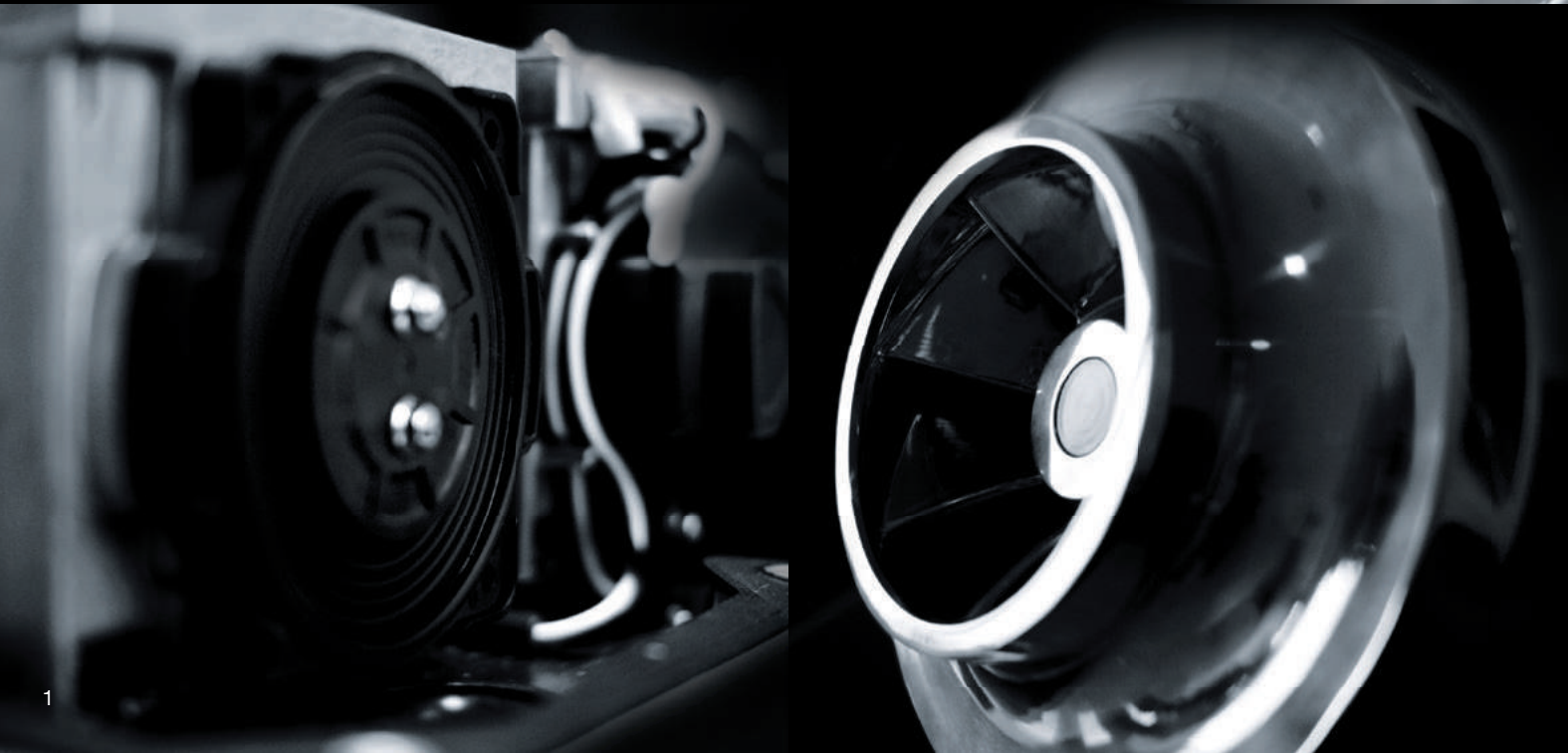




Make a better flow



Aspiring to cutting edge products through untiring efforts of technology development.



TAIKO TECHNOLOGY

TAIKO Brand is all about high quality that satisfies customer needs.

Pump technology has been honed in the shipbuilding industry and now our technology finds many applications in various other industries.

In April, 2016 TAIKO celebrated its 60th anniversary as it was established in April, 1956. First we focused our effort on the development and manufacturing of gear pumps using the segmental gears of a proprietary shape. Further technology development continued to acquire expertise on marine pumps initially. Now our technology is applied to and advanced for other on-shore industries. TAIKO has an organization in place that is ready to support our customer businesses, ensuring high product reliability by solid technological research and development and high quality control standard, a broad range of products for transportation of fluid of different types, and a service network that assures service provision on a global basis.



Marine Division

Our strength lies in a versatile product mix ranging from those for large ocean vessels to small coastal vessels. We give priority to development and manufacturing of new products that are tailored to the latest needs of the shipbuilding industry such as high performance, compact size, energy saving and environmental requirement compliance.



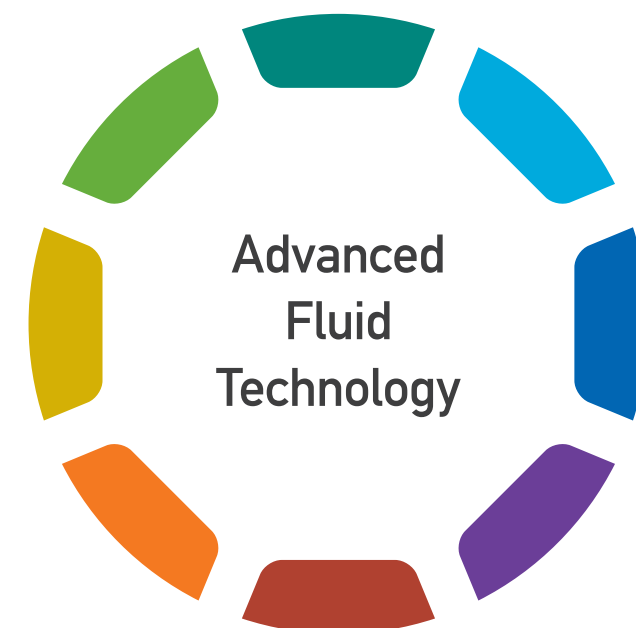
Industrial Division

The On-shore Business Unit delivers products including popular dry-type vacuum pumps to social infrastructure facilities and manufacturing plants. We are also aggressive in a "component business" to cater for niche markets.



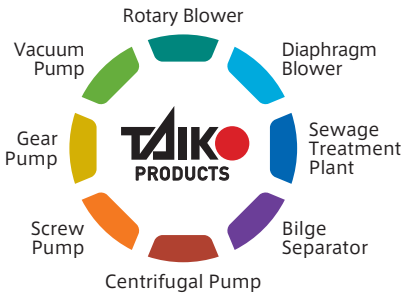
Electromagnetic Division

The third business unit, EM Business unit, develops and produces diaphragm blowers. They deliver to environmental facilities and water treatment facilities. Our development effort of small size electromagnetic blower allows us to serve for the healthcare industry as well.



TAIKO PRODUCTS

From Oil to Water, Water to Air, Air to Vacuum



Gear PumpP5

●NHG

●NHGH

●HHC

●HG

●VG

●VHB

●SL

●CGL

●BHG

●WL

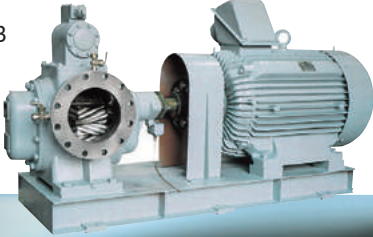
●SP

●SJ

●LGB

●F

●OL



15ppm Bilge SeparatorP10

●USH



Sewage Treatment PlantP10

●SBH

●SCT

●CRP



Vacuum PumpP12

●TRIC

●BEH

●BEH-T

●TD

●MDP

●MDP-V

●SLT

●TRDS

●RMC

●RIC

●SDV

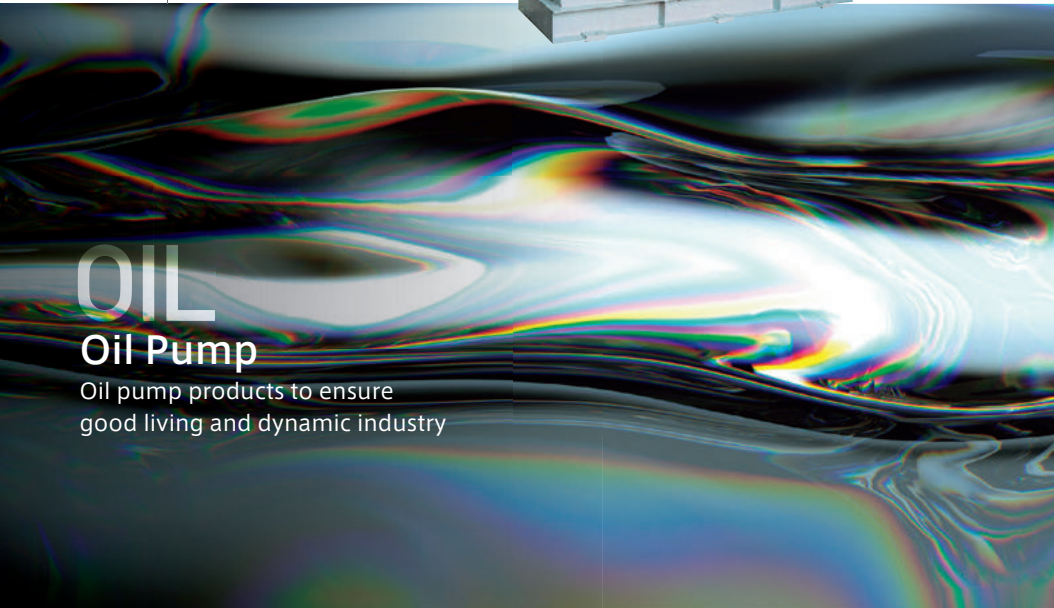
●SDF



OIL

Oil Pump

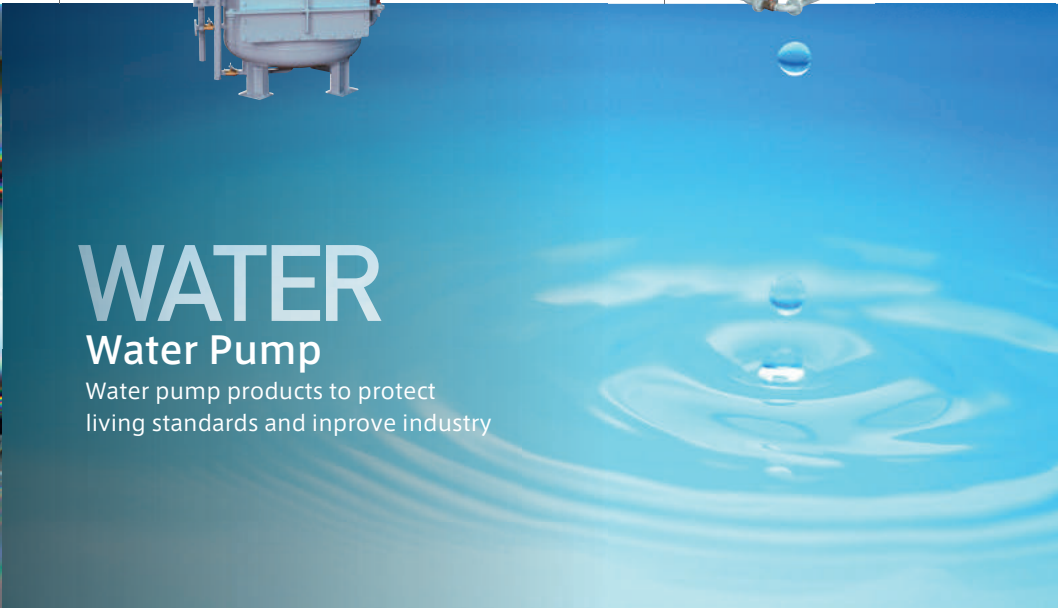
Oil pump products to ensure good living and dynamic industry



WATER

Water Pump

Water pump products to protect living standards and improve industry



AIR

Air Pump

Air pump products to promote better living and advance industry



Screw PumpP6-P7

●HNP

●HNP-CS

●HNC

●HNFA

●HNY

●CSL

●CSZ

●CSE

●MSB

●MSD

●MSDK-MA

●MSDK-MG

●MSE

●MSE-X

●MSH

●MSH-X

●MST

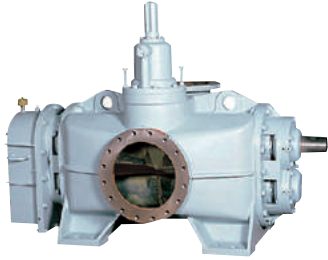
●MST-H

●MSTE

●MSV-W

●MSF

●MG



Centrifugal PumpP8

●MTDPD

●MSP

●C1T-C2T

●DVC



Control SystemP8

●Cargo Control System

●Temperature Monitoring System

Centrifugal PumpP9

●TMC

●TMS

●EHC

●EHS

●EMC

●EMD

●ESC

●ESD

●2BF

●HD

●FHC

●FMC

●FECS

●2MF

●CVC

●VS

●EMS



Control SystemP9

●Energy Saving Inverter Control System

Pressure TankP9

●VPT

●UH



Piston PumpP10

●PD-LD

●HPK



Rotary BlowerP11

●L

●TL

●R

●TR

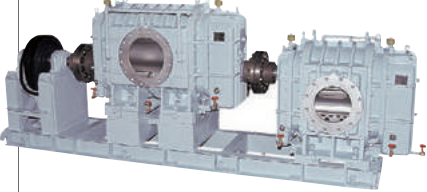
●RT

●TBS

●SSR

●TS

●REX



Diaphragm BlowerP13

●TPS

●TPM

●JDK

●TKO

●TKO-T

●DF-DFC-DFI



Sewage Treatment FacilitiesP13

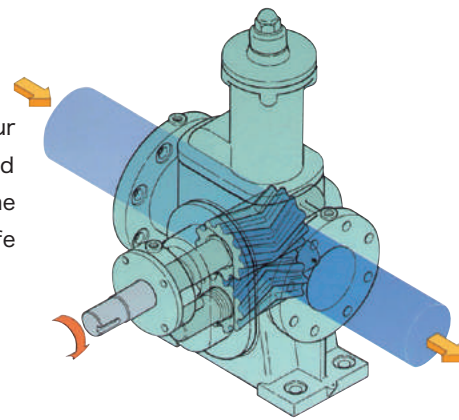


3

4

Gear Pump

TAIKO has adopted single contact point segmental gears as the standard for our gear pumps. The segmented gear eliminates the phenomenon of liquid containment that occurs with the conventional involute gear. These high-volume type pumps for conveying fluids minimize sound and vibration and have long life spans. They are used for conveying fuel oil, lubricating oil, or liquid chemicals.



Gear Pump

NHG

- Capacity: 0.25-30m³/h
- Max. dis. Press.: 0.6MPa
- Application: LO, FO



Gear Pump

NHGH

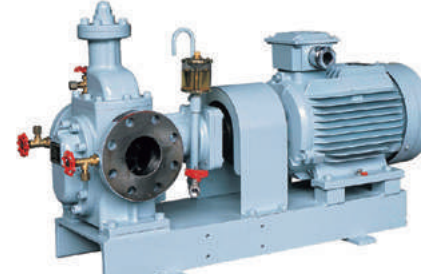
- Capacity: 0.41-20m³/h
- Max. dis. Press.: 1.6MPa
- Application: LO, FO



Gear Pump

HHC

- Capacity: 0.8-20m³/h
- Max. dis. Press.: 1.6MPa
- Application: LO, FO



Vertical Gear Pump

VG

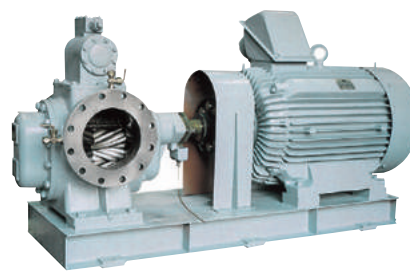
- Capacity: 12-100m³/h
- Max. dis. Press.: 0.6MPa
- Application: LO, FO



Gear Pump

HG·BHG

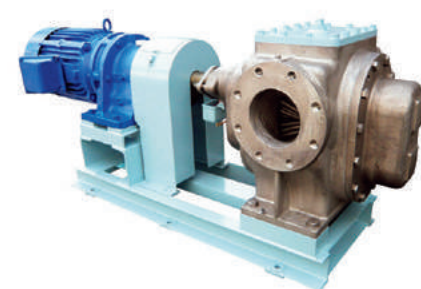
- Capacity: 29-200m³/h
- Max. dis. Press.: 0.6-1.0MPa
- Application: LO, FO



Gear Pump

SP·SJ

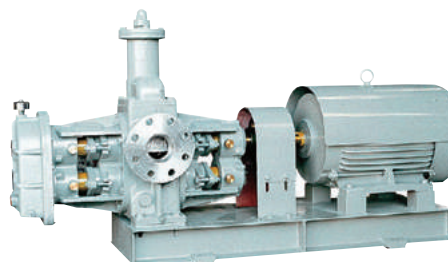
- Capacity: 0.41-100m³/h
- Max. dis. Press.: 0.6MPa
- Application: Oil, Chemical



Gear Pump

WL

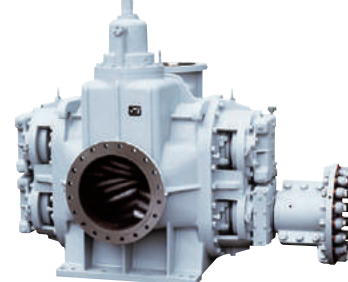
- Capacity: 0.8-100m³/h
- Max. dis. Press.: 0.6MPa
- Application: Oil, Chemical



Gear Cargo Pump

CGL

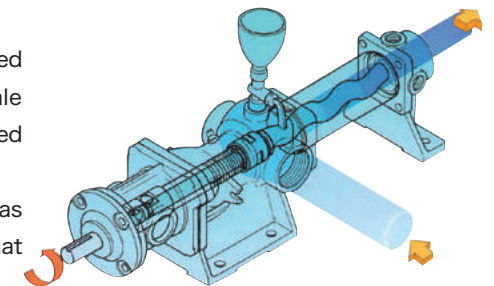
- Capacity: 60-1500m³/h
- Max. dis. Press.: 1.0MPa
- Application: Oil, Chemical



One Rotor Screw Pump

Our high-volume one rotor screw pumps feature the rotation of a single-threaded metal male screw rotor inside the casing of a rubber double-threaded female screw. This causes continual movement along the screw axis in the space formed between the two screws, which conveys the liquid.

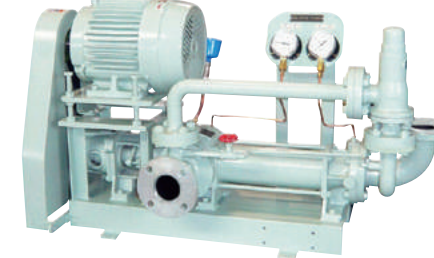
These pumps are used to convey liquids of both high and low viscosity, as well as liquids containing solid particles. Their most common use is to convey liquids that contain dirt, sludge, or bilge.



One Rotor Screw Pump

HNP·HNP-CS

- Capacity: 0.3-50m³/h
- Max. dis. Press.: 1.2MPa
- Application: Sludge, Sewage, Bilge



One Rotor Screw Pump

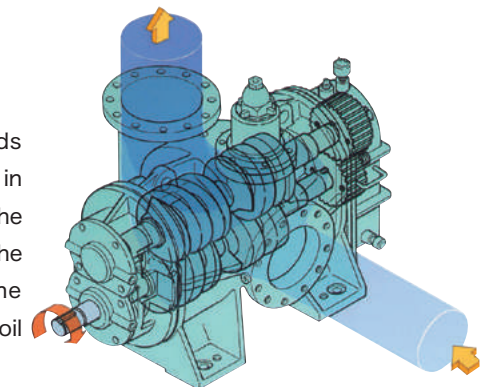
HNFA

- Capacity: 0.04-7m³/h
- Max. dis. Press.: 2.0MPa
- Application: Dewatering Cake



Two Rotor Screw Pump

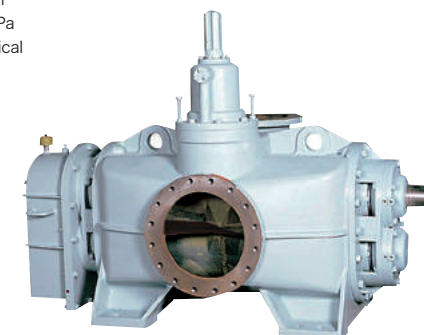
TAIKO's two rotor screw pumps are high-volume pumps that convey liquids through two sets of screws, one left-handed and one right-handed, enclosed in the pump casing. A very small clearance is maintained in the rotation through the use of timing gears. In addition, there is a minimal amount of leakage because the axle penetrates through the intake side. This product is well-suited to the non-lubricants, high-viscosity fluids, and hazardous fluids. It is used as cargo oil pump and chemical cargo pump.



Two Rotor Screw Cargo Pump

CSL·CSE

- Capacity: 50-1800m³/h
- Max. dis. Press.: 1.0MPa
- Application: Oil, Chemical



Two Rotor Screw Cargo Pump

CSZ

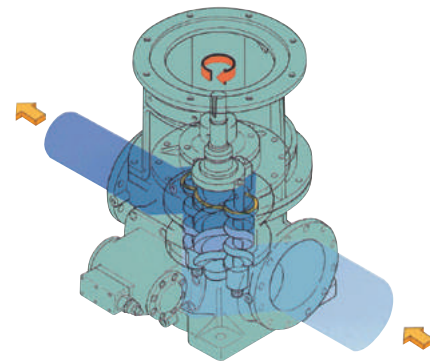
- Capacity: 10-30m³/h
- Max. dis. Press.: 1.0MPa
- Application: Oil, Chemical



Three Rotor Screw Pump

Our three screw pump consists of one main rotor encased in a sleeve and two idler rotors driven by oil hydraulic pressure. In this high-volume pump, the fluid is conveyed by rotating the main rotor.

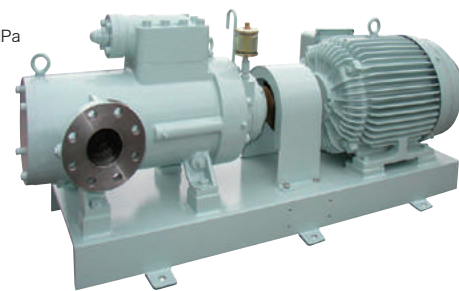
This product is well-suited to the high-pressure conveyance of lubricating fluid. It is used as a fuel oil supply, circulating pump for engines, a fuel oil burning pump for boilers and a crosshead lubrication pump.



Three Rotor Screw Pump

MSB

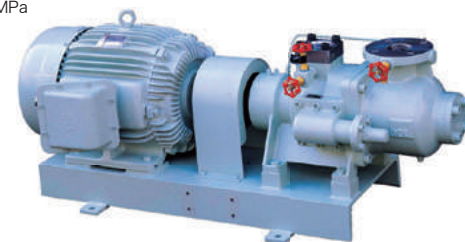
- Capacity: 4.0-15m³/h
- Max. dis. Press.: 2.5MPa
- Application: LO, FO



Three Rotor Screw Pump

MSH-X・MSE-X

- Capacity: 2.0-30m³/h
- Max. dis. Press.: 2.5MPa
- Application: LO, FO



Three Rotor Screw Pump

MST

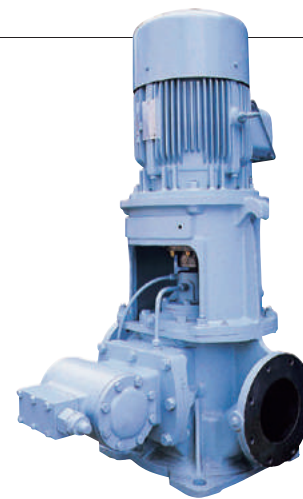
- Capacity: 20-300m³/h
- Max. dis. Press.: 1.0MPa
- Application: LO



Three Rotor Screw Pump

MST-H

- Capacity: 20-160m³/h
- Max. dis. Press.: 1.3MPa
- Application: LO



Three Rotor Screw Pump

MSDK-MA

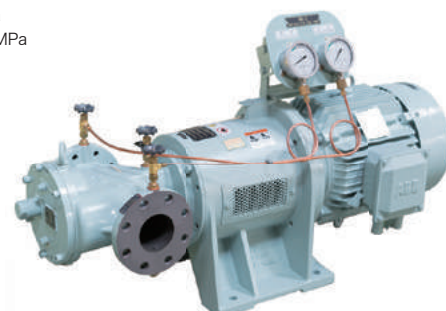
- Capacity: 0.3-35m³/h
- Max. dis. Press.: 1.0MPa
- Application: LO, FO



Three Rotor Screw Pump

MSDK-MG

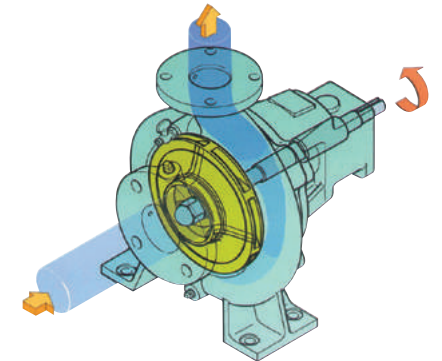
- Capacity: 4.0-35m³/h
- Max. dis. Press.: 1.0MPa
- Application: FO



Centrifugal Pump

TAIKO's centrifugal pumps convey fluids with centrifugal force using the revolution of the impeller installed inside the pump casing.

Centrifugal pumps have long been known as water pumps, and our products have been used as cargo handling pumps and ballast pumps for ships, as well as for conveying fresh water, sea water, oil, and liquid chemicals.



Deepwell Centrifugal Pump

MTDPD

- Capacity: 20-500m³/h
- Max. dis. Press.: 125m
- Application: Oil, Chemical



Tank Mounted Centrifugal Pump

C1T・C2T

- Capacity: 80-1700m³/h
- Max. dis. Press.: 1.0MPa
- Application: LO



Tank Mounted Centrifugal Pump

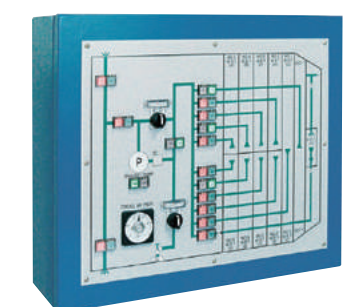
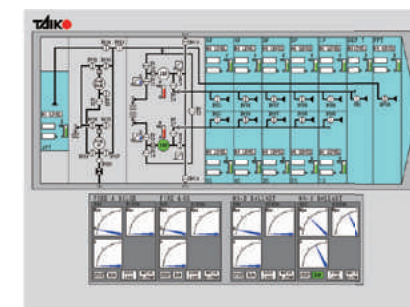
DVC

- Capacity: 6-400m³/h
- Max. dis. Press.: 2.4MPa
- Application: LO



Control System

Cargo Control System



Centrifugal Pump

Vertical Centrifugal Pump

EMC

- Capacity:30-600m³/h
- Max. dis. Press.:35m



Vertical Centrifugal Pump

ESD

- Capacity:500-2800m³/h
- Max. dis. Press.:35m



Horizontal Centrifugal Pump

TMC

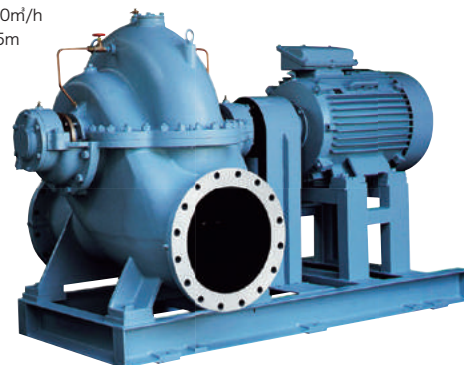
- Capacity:10-150m³/h
- Max. dis. Press.:50m



Horizontal Centrifugal Pump

HD

- Capacity:300-1500m³/h
- Max. dis. Press.:35m



Control System

Energy Saving Inverter Control System



Pressure Tank

Pressure Tank

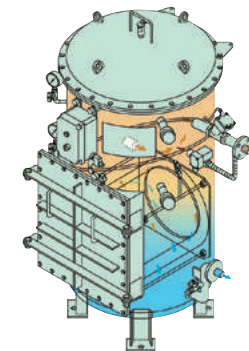
UH

- Capacity:500-2000L



15 ppm Bilge Separator

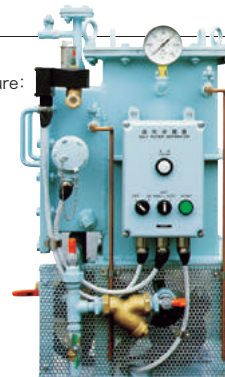
TAIKO's USH series of marine bilge separators was developed by combining the technology of our three previous bilge separators when MEPC.107 (49) took effect. The USH series of new and powerful bilge separators is equipped with a high-performance, long-life coalescer capable of dealing not only with high-density and viscosity oil, but also emulsions that previous coalescers could not deal with.



15 ppm Bilge Separator

USH-01

- Capacity:0.15m³/h
- Max. Working Pressure:0.2MPa
- Application:Bilge



15 ppm Bilge Separator

USH

- Capacity:0.25-0.5m³/h
- Max. Working Pressure:0.2MPa
- Application:Bilge



15 ppm Bilge Separator

USH

- Capacity:1.0-5.0m³/h
- Max. Working Pressure:0.3MPa
- Application:Bilge

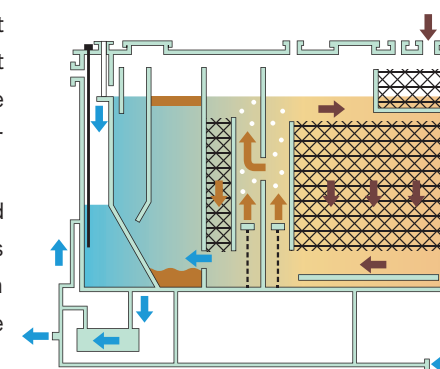


Sewage Treatment Plant

Our SBH series of marine sewage treatment plants are small, high-performance items that were developed by incorporating the sewage treatment technology we developed over many years in the business.

The products in the SBH series can be used on all ships with more than 400 gross tons and a crew of at least 15 as specified in Annex IV of the Marpol 73/78 Treaty. We've also simplified operation and maintenance.

MEPC.227(64) Conformity Product



※SBH Series Sewage can not be installed in Passenger ships which sail on special areas (Baltic Sea).

Sewage Treatment Device

SBH

- Capacity:15,25,40,65(persons)
- Max. dis. Press.:0.2MPa
- Application:Sewage

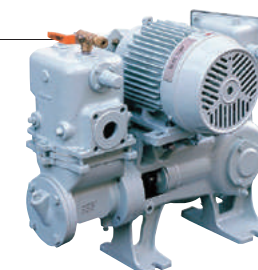


Piston Pump

Piston Pump

LD

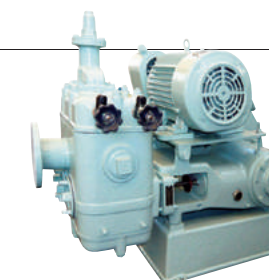
- Capacity:0.5-5.0m³/h
- Max. dis. Press.:0.3MPa



Piston Pump

HPK

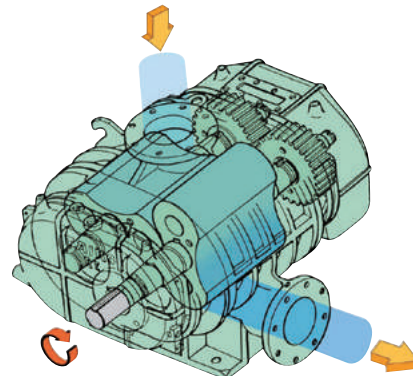
- Capacity:5.0-40m³/h
- Max. dis. Press.:0.45MPa



Rotary Blower

TAIKO's rotary blower is a biaxial roots blower. The impeller configuration in our product lineup includes series with both two lobes and three lobes, depending on the use.

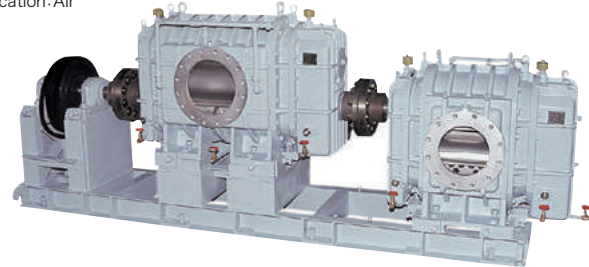
We can produce small blowers with a 20A aperture and large blowers with up to a 700A aperture, the largest in the country. We also have a wide selection of models from which to choose, including low-pressure and high-pressure blowers, those that use air, and those that use chemical gases. Our blowers have many uses, including water treatment, pneumatic transportation, gas circulation, and PSA.



Rotary Blower

TL

- Capacity: 30-812m³/min
- Max. vacuum pressure: Two-stage type -80kPa
- Application: Air



Rotary Blower

R

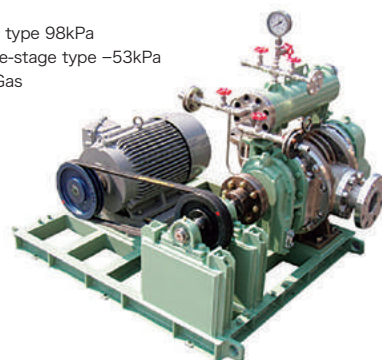
- Capacity: 0.45-465m³/min
- Max. dis. Press.: One-stage type 98kPa
- Max. vacuum pressure: One-stage type -53kPa
- Application: Air, Chemical Gas



Rotary Blower

R-S

- Capacity: 0.45-465m³/min
- Max. dis. Press.: One-stage type 98kPa
- Max. vacuum pressure: One-stage type -53kPa
- Application: Air, Chemical Gas



Rotary Blower

R-Z

- Capacity: 0.45-465m³/min
- Max. dis. Press.: One-stage type 98kPa
- Max. vacuum pressure: One-stage type -53kPa
- Application: Air, Chemical Gas



Rotary Blower

TBS

- Capacity: 0.84-12.62m³/min
- Max. dis. Press.: 60kPa
- Application: Air



Rotary Blower

SSR

- Capacity: 0.86-28.06m³/min
- Max. dis. Press.: 58.8kPa
- Application: Air



Rotary Blower

TSS·TSA

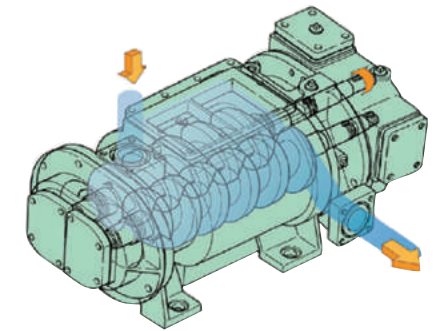
- Capacity: 0.1-2.68m³/min
- Max. dis. Press.: 49.0kPa
- Application: Air



Vacuum Pump

TAIKO's screw-type dry vacuum pump is an innovative product employing a unique screw design. This design has enabled us to produce a pump with the world's slowest screw rotational speed.

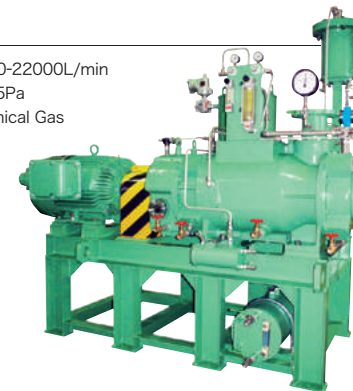
One feature of this screw type is that it efficiently emits powders and mists that accompany the air or other gases by employing single stage compression in a non-contact state from intake to exhaust. This highly dependable pump is used in a wide variety of vacuum applications, including such industrial sectors as semiconductors, liquid crystals, solar cells, pharmaceuticals, and chemicals.



Screw-Type Dry Vacuum Pump

MDP-V

- Pumping Speed: 5500-22000L/min
- Ultimate Pressure: 0.5Pa
- Application: Air, Chemical Gas



Screw-Type Dry Vacuum Pump

TRDS

- Pumping Speed: ~35000L/min
- Ultimate Pressure: 0.7Pa
- Application: Air, Chemical Gas



Screw-Type Dry Vacuum Pump

MDP·SLT

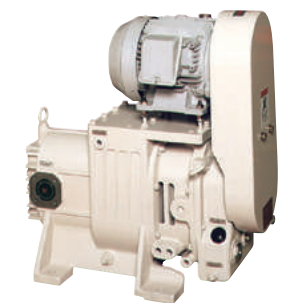
- Pumping Speed: 1100-35000L/min
- Ultimate Pressure: 0.7Pa
- Application: Air, Chemical Gas



Screw-Type Dry Vacuum Pump

SDV

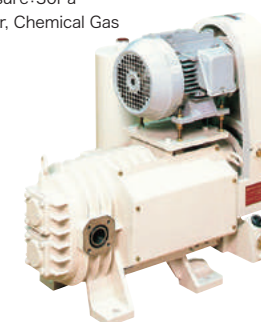
- Pumping Speed: 500-11500L/min
- Ultimate Pressure: 20Pa
- Application: Air, Chemical Gas



Screw-Type Dry Vacuum Pump

SDF

- Pumping Speed: 500-850L/min
- Ultimate Pressure: 30Pa
- Application: Air, Chemical Gas



Screw-Type Dry Vacuum Pump

BEH

- Pumping Speed: 7000-30000L/min
- Ultimate Pressure: 0.08Pa
- Application: Air, Chemical Gas



Screw-Type Dry Vacuum Pump

TD

- Pumping Speed: 650-3000L/min
- Ultimate Pressure: 0.7Pa
- Application: Air, Chemical Gas

