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# GENERAL INDUSTRIAL PUMP CATALOGUE

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# ABOUT US

**Chemnium Sdn Bhd** is an established and respected name in the industrial pump, electrode chlorination system, water process & power plant engineering pumps . We supply quality pump and most advanced technologies systems.

**Chemnium Sdn Bhd** as an Mechanical & Electrical Engineering and commissioning company that provides total solutions Water Treatment and Power Sectors Engineering Pumps, continued to grow.

**Chemnium Sdn Bhd** lead the way in the Water Process and featuring the latest technology in Water Management Systems.

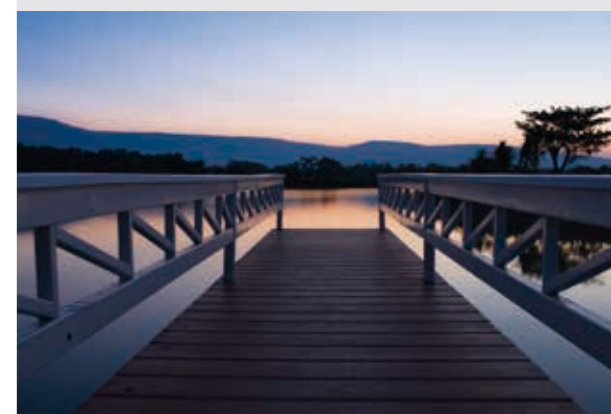
**Chemnium Sdn Bhd** is now the leader in water industry, involved in Sewage Treatment, Municipal Water Treatment, Flood Control, Water Distribution, Pumping Stations and provide sustainable solutions in the Water Sectors.

**Chemnium Sdn Bhd** able to design and install treatment system to optimize water and energy efficiency to maximum client's returns and to preserve natural resources.

**Chemnium Sdn Bhd** has own service team with resources unequalled in the industry. Mechanical Engineers, Trained Service Technicians, Electricians and more. You are always assured with a peace of mind from the beginning to the end.

## We specialized in :

- Electrode Chlorination System (Sodium Hypochlorite Generator)
- VSD Water Booster & Transfer System
- Drinking Treatment System
- Sewage Pumping System
- Wastewater Treatment System
- Irrigation System
- Flood Control System
- Swimming Pool Filtration
- Electrical & Motor Rewinding Services
- Electronic Public Information Display System (Scada)
- Power Plant Engineering Pumps.



# OUR PRODUCT

## 1

### Centrifugal Pump

- Centrifugal Pump
- Single Stage End Suction Centrifugal Pump
- Double Suction Split Casing Centrifugal Pump
- Multistage Centrifugal Pump
  - Horizontal Multistage Pump
  - Vertical Multistage Pump
  - Stainless Steel Multistage Pump

## 2

### Submersible Pump

- Submersible sewage pump
- Deep well submersible pump
- Axial Mix Flow Pump

## 3

### Vacuum Pump

- Water-ring vacuum pump
- Roberts vacuum pump

## 4

### Oil Pump

- Gear Oil Pump
- Centrifugal Oil Pump
- Self-priming Oil Pump

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### Special Pump

- Pulp Pump
- Screw Pump
- Diaphragm Pump
- Magnetic Pump

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### Fire Pump, Water Transfer and VSD Booster Pumping System

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### Sodium Hypochlorite Generator

# DOMESTIC PUMP



## Centrifugal Pump

### Centrifugal Pump

Model Name: CMP series  
Structure: single stage end suction  
Material: stainless steel / cast iron Stainless steel shaft  
Media: water or similar water liquid  
Power: electricity  
Usage: Domestic

# COMMERCIAL INDUSTRIAL PUMP



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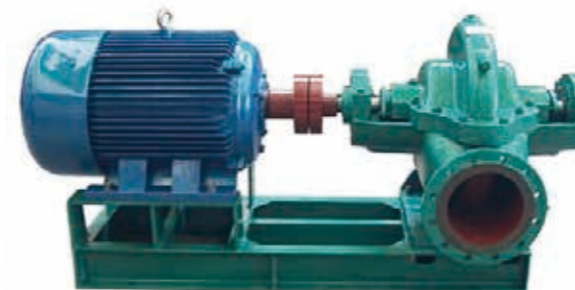
## Single Stage Centrifugal Pump

Model Name: CXA series  
Structure: single stage end suction  
Material: cast iron  
Stainless steel shaft  
Imoeller: cast Iron ,Bronze&SS316  
Media: water or similar water liquid  
Power: electricity  
Flow rate: up to 1100m<sup>3</sup>/h  
Head: up to 150m  
Usage: lift water,irrigation,water treatment,  
fire fighting, plumbing, Cooling tower,  
pressure boosting,air condition  
Standard: DIN24255  
Advantage: Mature Technology



## Double Suction Split Casing Centrifugal Pump

Model Series: HCS  
Structure: Split case ,double suction  
Material: cast iron or stainless steel  
Media: water or similar water liquid  
Temperature: <= 80 degree  
Power: Electricity  
Flow rate: 144-6250m<sup>3</sup>/h  
Head: 6-230meter  
Usage: factory, mineral, water supply,  
irrigation and so on  
Character: big flow





## Stainless Steel Multistage Pump

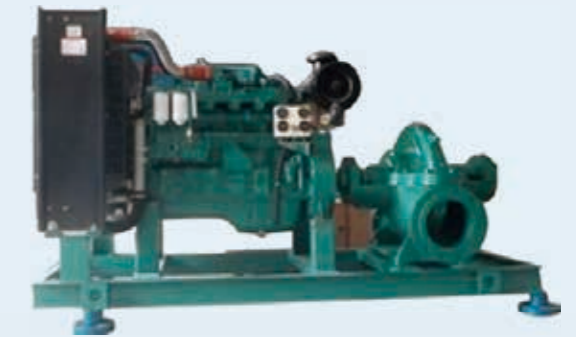
Model Series: CF  
 Structure: Vertical multistage pump  
 Material: Stainless steel 304  
 Media: water or similar water liquid  
 Temperature: -20 to 120 degree  
 Power: Electricity  
 Flow rate: max 180 m<sup>3</sup>/h  
 Head: max 336m  
 Usage: water supply, add pressure, transfer water, treatment water, irrigation.



## Multistage Centrifugal Pump (Horizontal Multistage Pump)

Model Series: CD or CDG  
 Structure: horizontal multistage  
 Material: cast iron or stainless steel  
 Special material shaft  
 Media: water or similar water liquid  
 Temperature: 0-105 degree  
 Power: Electricity  
 Usage: boiler feed pump  
 Character: high head

## Diesel pump



# SUBMERSIBLE PUMP



## Submersible Sewage Pump

Model Series: CQW, CWQ  
 Structure: Submersible  
 10m cable  
 Full copper wire  
 Mechanical seal  
 Material: cast iron  
 Media: waste water or water with little solid  
 Temperature: Normal  
 Power: Electricity  
 Flow rate: max 1100 m<sup>3</sup>/h  
 Head: max 45 m  
 Usage: transfer water

## Deep Well Submersible Pump



Model Series: CQJ  
 Structure: brass pump, POM impeller  
 Material: stainless steel or cast iron  
 Media: water or similar water liquid  
 Temperature: max 100 degree  
 Power: Electricity  
 Flow rate: max 500 m<sup>3</sup>/h  
 Head: max 800 m  
 Usage: well water, hot spring



## Axial Mix Flow Pump (Model: CQ)

Caliber: 350~1200mm  
 Flow: 400~10000m<sup>3</sup>/h  
 Head: 1.85~15m  
 Power: 7.5~4800kW  
 Speed: 370~1470r/min  
 Medium Temperature: ≤40°C  
 Material: HT200

Flood Control system, Urban water supply, drainage systems, circulating water of thermal power plant, water supply and drainage for docks, water network hub diversion, irrigation and drainage, aquaculture and so on.

1. Convey clean water, mild sewage, and accepts media of a temperature up to 40°C and pH value of 4-10
2. The excellent water conservancy model is well made to ensure compliance with users' performance requirements;
3. The double mechanical seal prevents leakage; adequately lubricated special thrust bearings in a reasonable structure design with good heat dissipation and long service life are adopted for large axial forces of large pumps;

4. The motors feature Grade F insulation and high temperature resistance, and come with temperature protection, monitoring, leakage and other warning functions;

5. Control cabinets with 1-to-2 and even 1-to-4 control modes that can work with the pumps of this series will automatically shut down the pumps and allow standby pumps to automatically kick when faults occur; fault signal (self-diagnosis) and other functions are retained to ensure high operational reliability;

6. Working in a submerged way provides good cooling conditions, and operation of the pumps of this series can be described as balance, steadiness, small vibration, and low noise;

7. Users may design underground pumping stations as need be in the interest of environmental features;

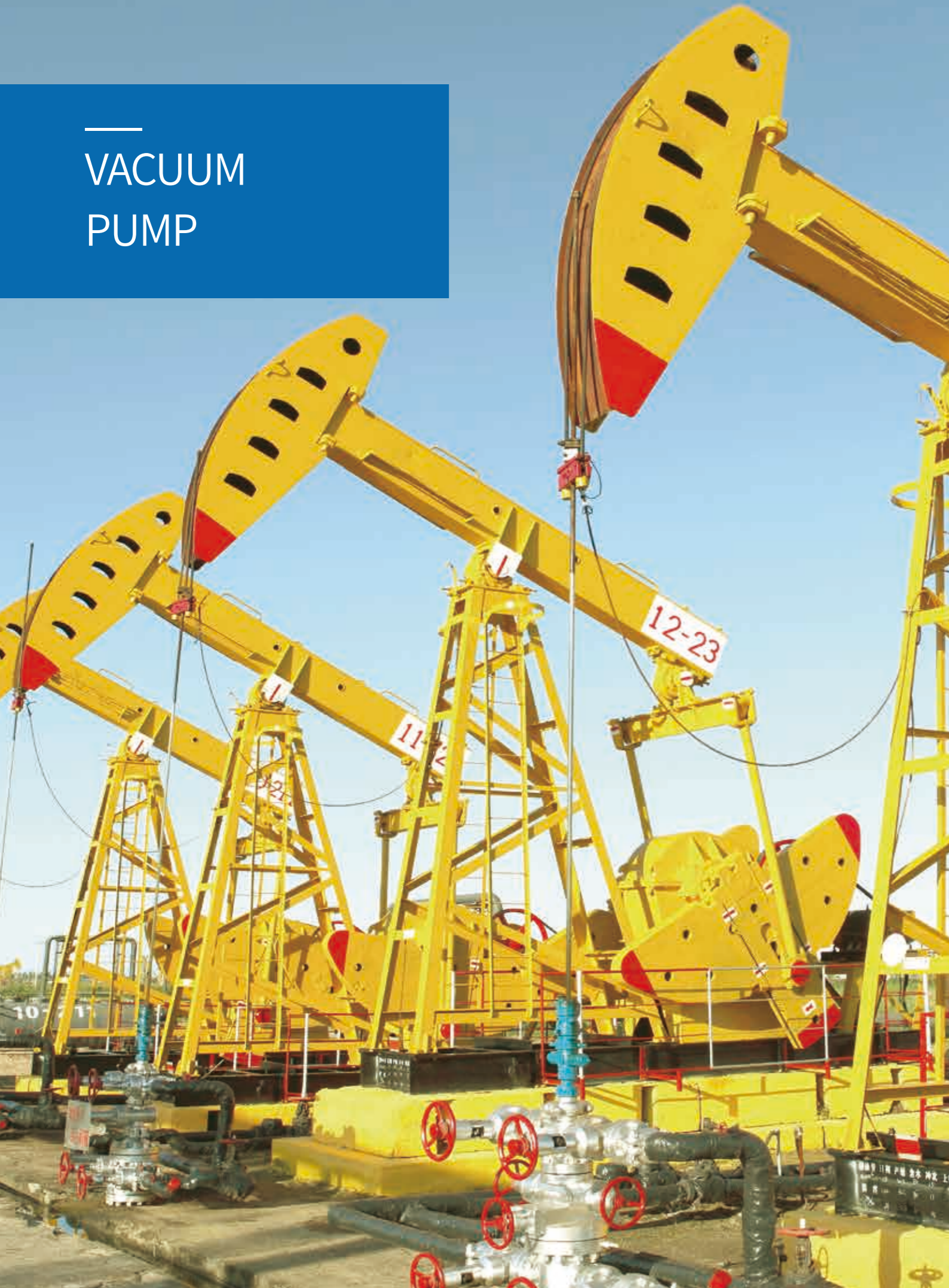
8. Pumps of this series require only small pumping stations, simple civil engineering and building structure, less investment greatly reduced by 30%-40% costs of pumping station project;

9. Integration of machine and pump saves time, labor and cost spent in installation and maintenance;

10. The availability of the entire series offers a wide range of efficient operation and better applicability to working conditions, high efficiency, and low operating costs;

11. They are easy to manage at few administration and operating costs;

# VACUUM PUMP



## Water-Ring Vacuum Pump

Model Series: CSK, C2BV  
Structure: horizontal  
Material: cast iron  
Media: air  
Pressure: max -0.085-0.095Mpa  
Power: Electricity  
Flow rate: max 120m<sup>3</sup>/m  
Usage: widely use in oil, chemical



## Roberts Vacuum Pump

Model Series: CZBK  
Structure: horizontal  
Material: cast iron  
Media: air  
Pressure: max -0.085-0.095Mpa  
Power: Electricity  
Flow rate: max 60 m<sup>3</sup>/min  
Usage: widely use in oil, chemical

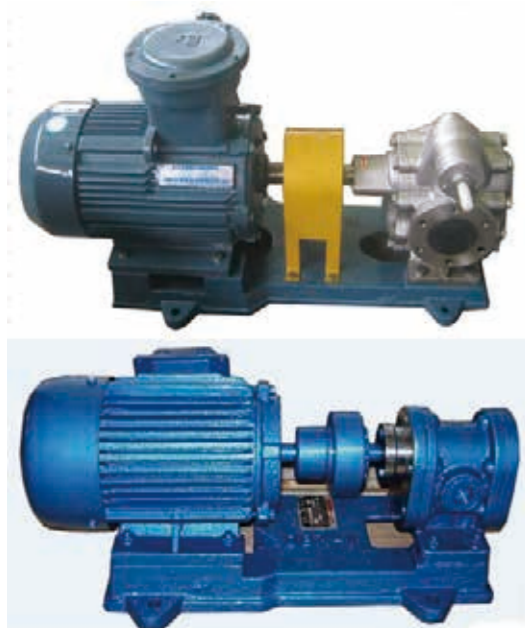


# INDUSTRIAL PUMP



## Centrifugal Oil Pump

Model Series: CRY  
Structure: horizontal  
Material: cast iron  
Media: hot oil  
Power: Electricity  
Temperature: <300 degree  
Flow rate: max 500 m<sup>3</sup>/h  
Head: max 125m  
Special: air cooling type of thermal conductivity  
Usage: hot oil



## Gear Pump

Model Series: CKCB, CKCBF, CKCBG  
Structure: horizontal  
Material: stainless steel 304  
Media: hot or cool oil  
Power: Electricity  
Temperature: <80 degree  
Flow rate: max 172 m<sup>3</sup>/min  
Pressure: max 1.45mpa  
Viscosity: 5-1500mm<sup>2</sup>/s  
Usage: oil

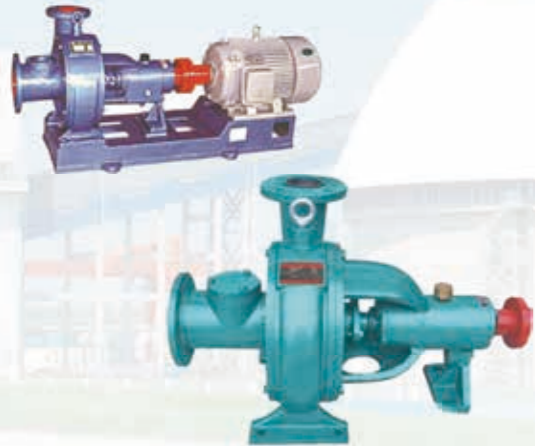


## Self-priming Oil Pump

Model Series: CYZ,YZ  
Structure: horizontal  
Material: cast iron  
Media: oil or water  
Power: electricity  
Temperature: <100 degree  
Flow rate: max 280 m<sup>3</sup>/h  
Head: max 75m  
Suction head: 8 m  
Special: self priming and anti-explosion  
Usage: marine

# SPECIAL PUMP

## Pulp Pump



Model Series: CLXLZ  
Structure: horizontal  
Material: stainless steel 304  
Media: pulp, sugar, sewage  
Power: Electricity  
Temperature: normal  
Flow rate: max 2300 m<sup>3</sup>/h  
Head: max 70m  
Special: two-phase flow  
Density: 6%  
Usage: paper industry, sugar industry, sewage water



## Diaphragm Pump (Electric or Pneumatic)

Model Series: CDBY, CQBY  
Structure: horizontal  
Material: stainless steel or cast iron  
Media: kinds of flow liquid  
Power: electricity or pneumatic  
Temperature: normal  
Flow rate: max 20 m<sup>3</sup>/h  
Head: max 30-50 m  
Special: reduction box and special diaphragm  
Usage: oil, chemical, metallurgy

## Self-priming (Sewage) Pump



Model Series: CZX, CZW, CBZ  
Structure: horizontal  
Material: cast iron  
Mechanical seal  
Type : self priming  
Media: water or similar liquid  
Power: electricity  
Temperature: 80 degree  
Flow rate: max 100 m<sup>3</sup>/h  
Head: 65 m  
Suction head: max 7 m  
Standard: ISO  
Usage: oil, sewage



## Chemical Pump

Model Series: CIH, CIHF  
Structure: horizontal end suction cantilever type  
Material: stainless steel 304  
Media: corrosive liquid  
Power: electricity  
Temperature: -20 to 105 degree  
Flow rate: 1.6 - 400 m<sup>3</sup>/h  
Head: 5 -125 m  
Pressure < 1.6 Mpa  
Usage: oil, metallurgy, food

## Screw Pump



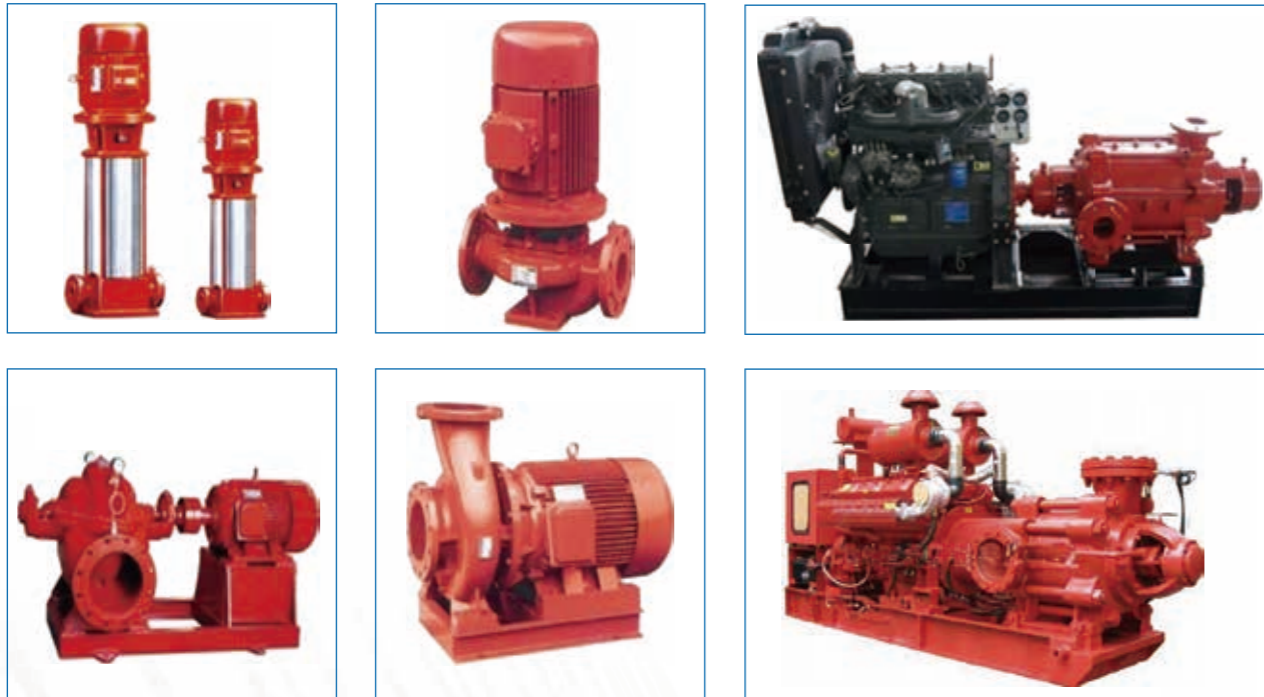
Model Series: CG, CHB  
Structure: horizontal monopole  
Material: stainless steel 304  
Media: underflow  
Power: electricity  
Temperature: >100 degree  
Flow rate: max 150 m<sup>3</sup>/h  
Head: max 120 m  
Special: rotor and stator  
Usage: food, construction, chemical



## Inline Pump

Model Series: CSG, CISW  
Structure: vertical and horizontal  
Material: cast iron  
Stainless steel shaft  
Mechanical seal  
Media: water or similar liquid  
Power: electricity  
Temperature: 40 degree  
Flow rate: max 1450 m<sup>3</sup>/h  
Head: 150 m  
Pressure: <1.6Mpa  
Usage: hot water, oil

## Fire Pump



## Constant Pressure Variable Speed Driven Water Supply System



## Sodium Hypochlorite Generator

