



### Multistage Horizontal Centrifugal Pump

### **Application**

Water Plant

Mines

Sea Water

### **Operating Data**

Diameters of inlet and outlet: 40~300mm

Capacity: Q=3.75~1020m<sup>3</sup>/h

Head: H=19~1080m

### **Material**

Casing: Stainless Steel or Duplex S.S

Impeller: Duplex S.S Stainless Steel

Shaft: Stainless Steel



### **HP Series High Pressure Pump**

HP (Horizontal High Pressure Pump) contains two types of pumps assembled to pump sets in serial or only one pump. Impellers are installed back to back so as to balance the big thrust force of the pump.



#### Major Applications:-

- Desalination with Membrane System.
- ▶ High Pressure Boiler feed.
- ▶ High pressure Cleaning.
- ▶ High Pressure RO Systems
- ▶ In Cement Industry and Steel Industry

#### Key Features:-

- ▶ Reliable, requires low maintenance
- ▶ Energy efficient, light weight and aesthetic structure





### **CDMF+CMH High Pressure Pump Unit**



#### **OVERVIEW**

Flow rate: 0.5~29m3/h

Head: 108~478m

Temp: -15°C~+120°C

Power: 2.57KW~37KW

Frequency: 50HZ

### **PERFORMANCE**

Water treatment ultra-filtration system

**RO systems** 

High pressure washing systems

**Boosting systems** 

Water supply

### Material

Stainless steel

## **ER-energy recovery**



ER-RP-60 Introduction to the operating conditions, structure, working principle and performance of energy recovery devices

### 1. Operating Conditions

Media: Seawater

Media Temperature: 0-45° C

Ambient Temperature: Maximum +45° C Maximum Operating Pressure: 6.9 MPa

Flow Rate: 50-80 m<sup>3</sup>/h

### 2. Model meaning

ER—RP—60

Rated flow (m³/h)

Rotary pressure

Energy recovery device





### **CDM,CDMF** High efficient Light Vertical Multistage Centrifugal Pump



#### **TECHNICAL DATA**

Flow rate: 0.5m3/h ~ 240m3/h

Head:  $4m \sim 305m$ 

**Temp**: -15°C~+120°C

**Power**: 0.37kW~110kW

Material: Stainless steel

#### **APPLICATIONS**

Water treatment systems

**HVAC** systems

Industrial liquid transportation

Industrial boosting

Water supply systems

### **CH Horizontal sea water lift pump**

### **TECHNICAL DATA**

Flow rate:

30-720m<sup>3</sup>/h

Head:

20.5-44m

Temp:

ambient temperature

Voltage:

380V

Material:

Duplex stainless steel/Super

austenitic stainless steel

### **APPLICATIONS**



R/0 seawater desalination





### **ZS Horizontal Single-stage Centrifugal Pump**



#### **TECHNICAL DATA**

Flow rate:  $3m^3/h \sim 200m^3/h$ 

Head: 8.8m~73.7m Temp: -10°C~+100°C Voltage: 220V/380V

### **APPLICATIONS**

Water treatment systems

Other preesure boosting systems

Material: Stainless steel

### **NISO, NIS, NISF End Suction Centrifugal Pump**



### **TECHNICAL DATA**

Flow rate: 3~1200m3/h

Head: 4~160m

Temp: -15°C~+110°C Voltage: 220V/380V

Material: Stainless steel/Cast iron Max. Working pressure: 16 bar Max. Inlet pressure: 6 bar Max. Power: 200kW

Inlet and outlet diameter: Inlet diameter: DN50~DN300

Oulet diameter: DN32~DN250

#### **APPLICATIONS**

Water treatment systems

**HVAC** systems





### **CM** Horizontal multistage centrifugal pump



#### **TECHNICAL DATA**

Flow:  $0.5 \text{m}^3/\text{h} \sim 7 \text{m}^3/\text{h}$ Head:  $7.5 \text{m} \sim 56 \text{m}$ 

Liquid temperature range: -15°C~+105°C

Max. ambient temperature: 40°C Max.working pressure: 10bar

### **APPLICATIONS**

**HVAC** 

Cooling system Industrial cleaning Water treatment Aguaculture

Fertilization and metering system

### SJ/PQ Multistage Deep-well Submersible Pump



#### **TECHNICAL DATA**

Flow rate: 0.2~240m<sup>3</sup>/h

Head: 4.5~380m Temp: +25℃

Voltage: 220V/380V Material: Stainless steel

Note: PQ series are expert submersible fountain pump

equipped with NEMA motor.

#### **APPLICATIONS**

Groundwater pumping

Water supply systems

Ground source heat pump systems

**Groundwater lowering** 

Irrigation in horticulture & agriculture

Other industrial boosting systems





### **CK Electromagnetic Diaphragm Metering Pump**



#### **TECHNICAL DATA**

Max. flow: 17L/H

Max. discharge pressure: 10bar Adjustment range: 0-100% Steady-state accuracy: ±1%

Adjustment method: Manual /Automatic Power supply: 220VAC/50HZ Single phase

Max.suction lift height: Up to 1.2m water column

**APPLICATIONS** 

Civil and defense, Agriculture, Light industry, Electric power,

Metallurgy, Shipbuilding, Oil, Chemical industry, Mining

### **GW, GS Mechanical Diaphragm Metering Pump**



#### TECHNICAL DATA

Max. flow: 53L/H

Max. discharge pressure: 10bar

Adjustment ratio: 10:1

Steady state accuracy: ± 2%

Suction lifting height: up to 1.5m water column

Max. ambient temperature: +40 °C

Max. Inlet pressure: 1bar

#### **APPLICATIONS**

Reverse osmosis (ultra-filtration)

Industrial water

wastewater

pool water

seawater desalination

other water treatment processes

#### MATERIAL

PVC

**PVDF**