



***PETRO  
PEDAM***



**PETRO PUMP ENG DESIGN & MFG Co.**



# About Us

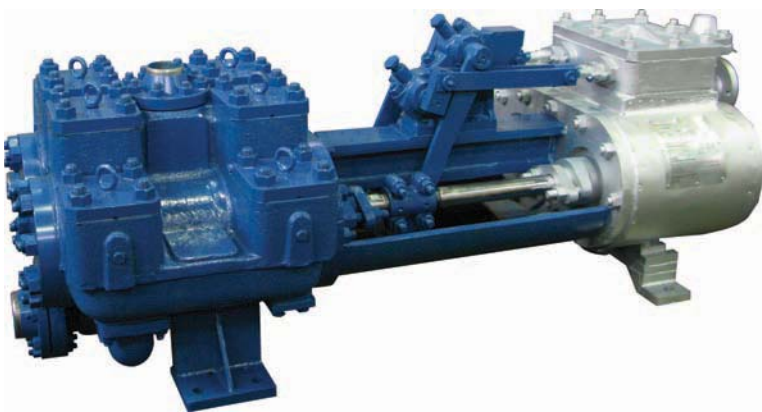
Established in shamsabad industrial area near to Tehran, since 2000, and has provided services mainly to oil, gas and petrochemical industries, in addition to which services also are provided to water treatment plants. We at petropedam offer a comprehensive range of workshop facilities as well as field services. Since established, petropedam has gained a reputation in manufacturing servicing, overhauling and providing different type of reciprocating and centrifugal pumps and spare parts based on API, DIN, NFPA standards. Design, manufacturing, renovating and after sales services are processed under controls imposed by iso 9001-2000 management system standards.

Services provided by petropedam include but not limited to reverse engineering, manufacture of pumps, and spare parts.

Utilizing special software, equipped workshop and fully trained and experienced personnel translate into less manufacturing costs which in parts will be transferred to customer. Petropedam has developed the infrastructure to provide local support to customers. This is backed by our management and engineer staff know how and the technical data base, and resources available. Petropedam offers a flexible portfolio of high quality, technically based solutions tailored to specific customer requirements and delivered by specialist engineers and project managers. Our services include:

- Manufacturing of Pumps
- Manufacturing of Spare parts
- Supply of pumps and spare parts from other major manufacture
- Repair and overhaul of different brands of pumps
- Maintenance of different brands of pumps
- Special technical services (Design, Modification, and Consultation)
- Field services

We serve a wide range of customer in the oil, petrochemical, and water industries. Our ability to adapt the engineering expertise developed for a specific market to related problems in other regions and sector puts us ahead of the competition in meeting customer needs. Petropedam has the comprehensive skills to meet a broad spectrum of customer demands. Backed by well equipped, well stocked, well staffed factory, the engineering and production abilities of our team, we provide a wide range of quality special technical and engineering services to our customers. Our Engineering team support refit and refurbishment programmers, help our customers identify opportunities for improvements, increased uptime and equipment operating efficiency.



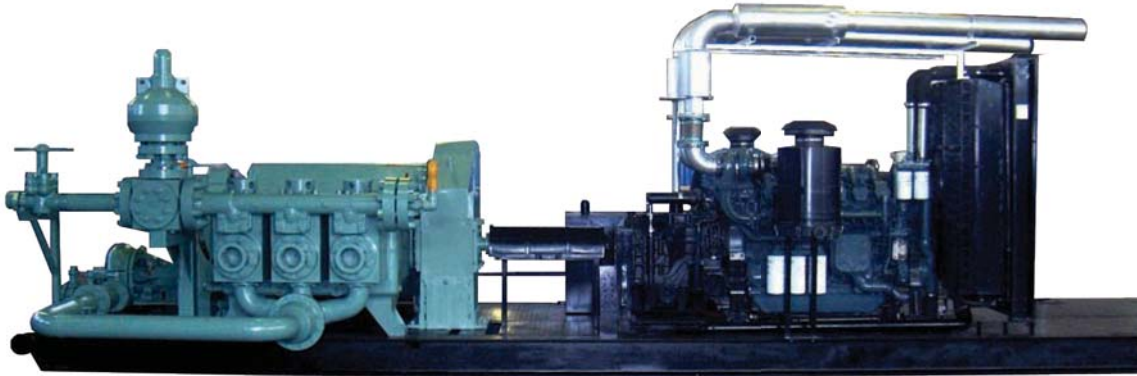
Steam Driven Duplex Pump



Duplex Piston Pump



## Reciprocating Pumps Triplex Drilling Mud Pump & Duplex River Pump



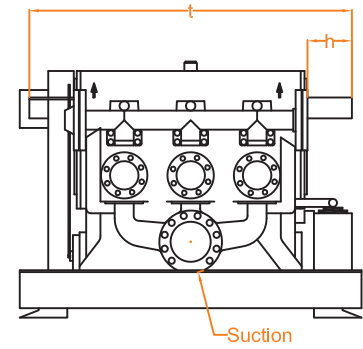
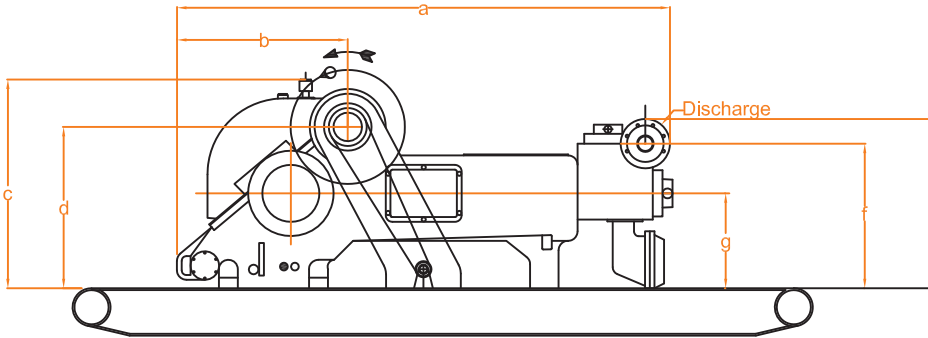
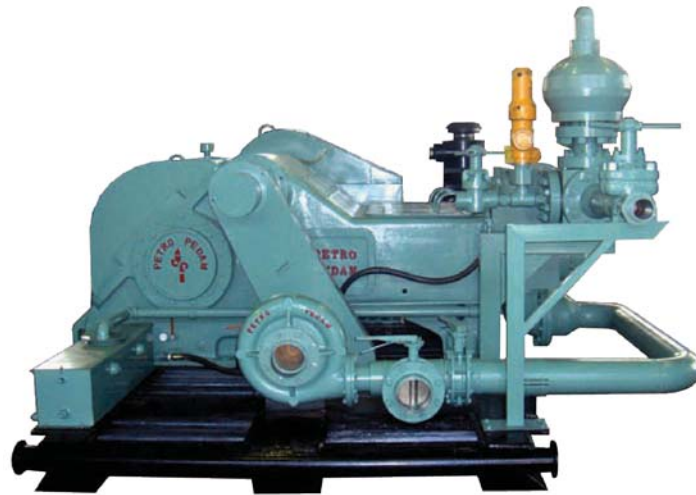
**Standard Features:**

- Nodular iron power frame, eccentric, connection rods, and crosshead
- Double- row spherical roller bearings
- Double extended jackshaft carried on heavy- duty straight roller bearings
- Single and dual roller bearing connecting rod
- Heat- treated alloy steel main gears are bolted to the eccentric
- Replaceable bronze crosshead slides on model T1600&T750
- Full splash lubrication on all type and with oil pump to feed working parts on types T1600&T750
- Heat- treated alloy steel, interchangeable fluid cylinders
- Threaded valve covers on types T1600&T750
- Chrome plated piston rods
- Complete piston washing and lubrication system on types T1600&T750
- Rubber valve inserts

**Specifications: Drilling service:**

- NO. of pistons (plungers): 2 to 3
- Stroke length: 6" to 12" (152 to 279 mm)
- Piston load: up to 150000 lbs (68000 kg)
- Maximum input: up to 1600 BHP (1,193 kw)
- Weight: 220 to 37000 lbs (100 to 16800 kg)
- Application: water, mud, oil, viscose liquid

Item	Pump model	Piston size inch	Max. pressure Psi/Bar	Displacement				
				54 spm Gpm/m <sup>3</sup> /H	85 spm Gpm/m <sup>3</sup> /H	115 spm Gpm/m <sup>3</sup> /H	145 spm Gpm/m <sup>3</sup> / H	260 spm Gpm/m <sup>3</sup> /H
1	TH1600 Triplex	5	7500/527			323/73.4		
		5.5	6324/445			390/88.5		
		6	5314/374			465/105.5		
		6.5	4527/318			545/123.8		
		7	3905/275			632/143.5		
2	TH750 Triplex	4	5000/352				189/43	
		4.5	3912/285				296/67	
		5.5	3233/227				358/81	
		6	2717/191				426/96	
		7	1996/140				580/131	
3	DH220/201 Duplex	4"	1800/122	123/28	193/44			
		4.5	1400/96	158/36	250/57			
		5	1100/76	202/46	317/72			
		5.5	940/64	246/56	390/89			
		6	780/53	300/68	470/107			
		7	573/39	414/94	650/148			
4	DH110/203 Duplex	3	1800/122	53/12	80/18			
		4	1200/80	88/20	140/32			
		5	880/60	140/32	220/50			
5	DH30/545 Duplex	3	600/40	26/6	42/9.7	52/12		
		3 1/2	450/30	44/10	70/16	88/20		
		4	300/20	57/13	92/21	114/26		
		4 1/3	150/10	70/16	114/26	176/40		
6	TH100 Triplex	1.2	2200/150					70/16
7	TV110/120	1.2	11500/800					22/5
		2	7300/500					75/17
		3	3000/200					132/30



### PetroPedam Reciprocating Pump Series

	a	b	c	d	e	f	g	h	t	Suction Size	Discharge Size
TH 1600	3985	1535	1730	1308	1387	1199	825	404	404	10"-150#	5"-5000#
TH 750	3294	1166	1372	1068	1201	1013	640	275	2210	10"-150#	5"-5000#
D 220/201	3251	1032	1282	1010	1035	867	597	480	1733	8"-300#	4"-900#
D 110/203	2468	722	784	575	665	530	324	272	1024	4"-300#	3"-900#
D 30/545	1870	545	623	454/5	550	561.5	299	222	765	4"-300#	2"-300#



### S Split Case Pump

**Feature:**

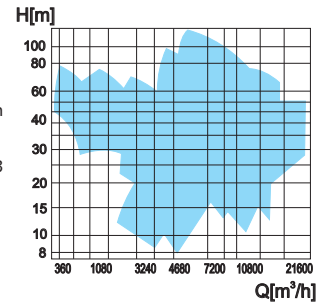
- High efficiency
- Reliable seal, low noise
- Convenient inspection

**Applicate:**

Industries, mines, power plant water supply and drainage. large water reservoir, irrigation, boiler and heat exchanger water circulating air condition water circulating

**Performance Range:**

- Capacity:112-23000m<sup>3</sup>/h
- Head:9~135m
- Suction pressure:≤0.3 Mpa



### S S(L) Split Case Pump

**Feature:**

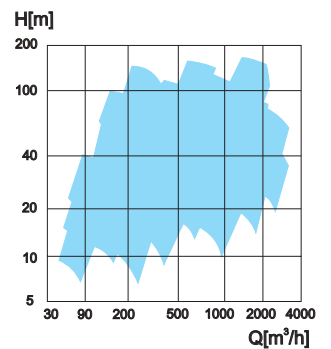
- High efficiency
- Low noise and small vibration
- Reasonable construction and convenient inspection

**Application:**

Municipal water supply, central heat supply, air condition, fire fighting system, water treatment, drainage station, power plant, irrigation, industrial water supply, petrol industries and so on

**Performance Range:**

- Capacity:50~4000m<sup>3</sup>/h
- Head:10~200m
- Suction pressure:≤2.5 Mpa



### SVS Double Suction Pump

**Feature:**

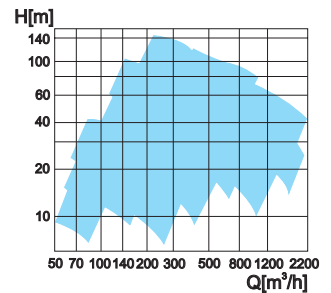
- High efficiency
- Space-saving

**Application:**

Air Condition system, Fire Fighting, Power Plant, water supply

**Performance Range:**

- Capacity:50~2000m<sup>3</sup>/h
- Head:10~140m



### IS ( R ) End Suction Pump

**Feature:**

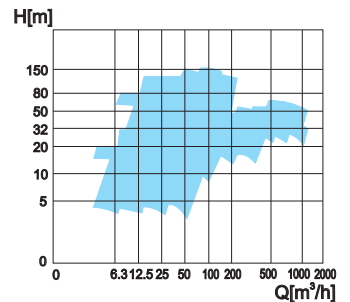
- Wide performance Range
- Steady operation and long Service life
- High standardization
- High efficiency and power saving

**Application:**

Boiler and heat exchanger water circulating and air-condition water circulating, industries, mines, municipal water supply and drainage, irrigation

**Performance Range:**

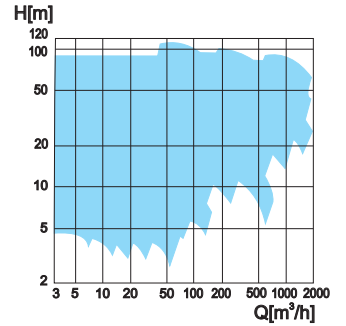
- Capacity:6.3~1600m<sup>3</sup>/h
- Head:5~125m
- Suction pressure:≤0.6 Mpa





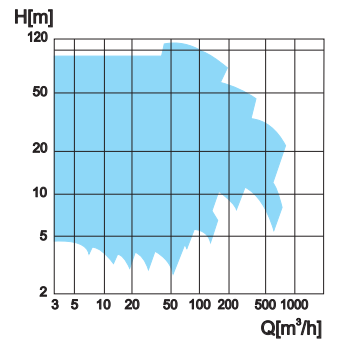
### SENS End Suction Pump

- |  |  |  |
|--|--|--|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• High standardization</li> <li>• EN733(DIN24255)</li> </ul> | <p><b>Application:</b></p> <p>Industry, mine, irrigation, boiler</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity:3~2000m<sup>3</sup>/h</li> <li>• Head:3~120m</li> </ul> |
|--|--|--|



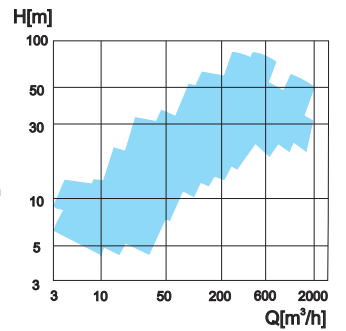
### SENZ End Suction Pump

- |   |  |   |
|---|--|---|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• Space-saving</li> <li>• High efficiency</li> <li>• EN733(DIN24255)</li> </ul> | <p><b>Application:</b></p> <p>Industry, mine, irrigation</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity:3~900m<sup>3</sup>/h</li> <li>• Head:3~120m</li> </ul> |
|---|--|---|



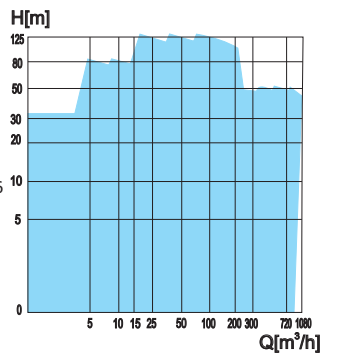
### RK Circulating Pump

- |   |  |   |
|---|--|---|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• High efficiency</li> <li>• Reliable seal</li> <li>• Low noise and small vibration</li> <li>• Convenient maintenance and inspection</li> </ul> | <p><b>Application:</b></p> <p>High building, air condition water circulating system and industries, mines, municipal water supply and drainage</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity:4~1900m<sup>3</sup>/h</li> <li>• Head:5~80m</li> <li>• Suction pressure:≤1.6mpa</li> </ul> |
|---|--|---|



### ISG ( B ) In-Line Pump

- |  |  |   |
|--|--|---|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• Wide performance range</li> <li>• High efficiency and power saving</li> <li>• Super-noiseless low vibration</li> <li>• Convenient installation and inspection</li> </ul> | <p><b>Application:</b></p> <p>High building, and fire fighting water supply; long distance water supply; boiler water feeding; air condition water circulating</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity:4~1080m<sup>3</sup>/h</li> <li>• Head:8~125m</li> <li>• Suction pressure:≤1.6 Mpa</li> </ul> |
|--|--|---|





### SPG Canned Pump



**Feature:**

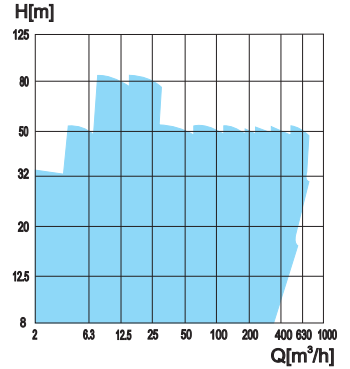
- High efficiency
- Absolute no leakage
- Small vibration and low noise
- No maintenance and long service life
- Reasonable construction convenient installation and long service life
- Can be used for transmit special medium

**Applicate:**

Water supply and drainage of industries and municipal, irrigation, fire fighting, long distance transmits, energy and so on. Especially for high requirements of vibration and noise

**Performance Range:**

- Capacity: 5~630m<sup>3</sup>/h
- Head: 5~80m
- Suction pressure: ≤1.0 Mpa



### SLG(II) Stainless Steel Multistage Pump



**Feature:**

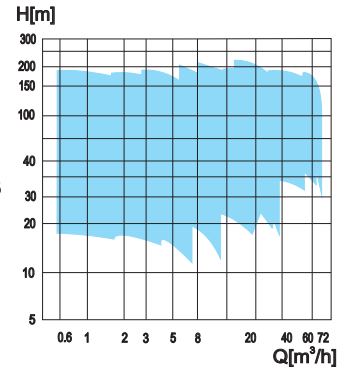
- High efficiency
- Low noise, small vibration and long service life
- Reasonable construction and convenient inspection
- No pollution

**Application:**

Liquid medium transmitting; clean water circulating and pressure increasing ; high building, municipal project water supply and drainage, boiler water feeding, irrigation, fire fighting, condensate system, and chemical process water supplying

**Performance Range:**

- Capacity: 0.7~72m<sup>3</sup>/h
- Head: 8~245m
- Suction pressure: ≤0.6 ~ 1.0 Mpa



### LG(R) / DL(R) Multistage Pump



**Feature:**

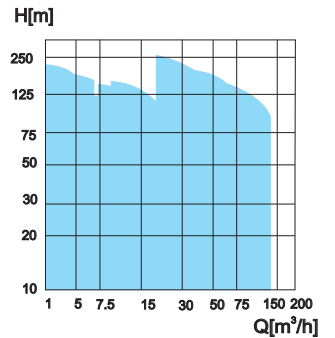
- High efficiency and energy saving;
- Low noise
- Small vibration
- Convenient installation and inspection

**Application:**

High building Water supply, fire fighting water Supply, boiler feeding, municipal water supply and drainage

**Performance Range:**

- Capacity: 1~120m<sup>3</sup>/h
- Head: 16~260m
- Suction pressure: ≤0.3 Mpa



### QW Submersible Sewage Pump



**Feature:**

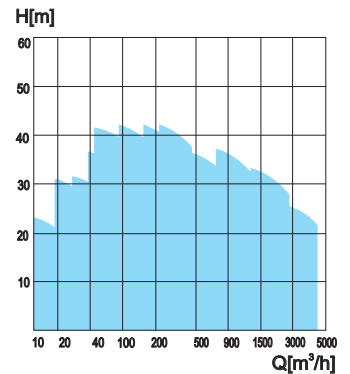
- Non-clogging and anti-windings
- High efficiency and power saving
- Low noise, small vibration,
- Steady operation, reliable seal and long service time
- Convenient installation and inspection

**Application:**

High building, industries and mines, municipal projects sewage system. Irrigation and methane system

**Performance Range:**

- Capacity: 10~4100m<sup>3</sup>/h
- Head: 7~41m







### QW(F) Stainless Steel Submersible Pump

**Feature:**

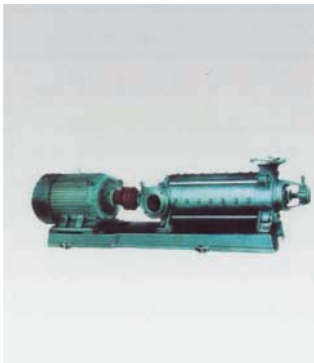
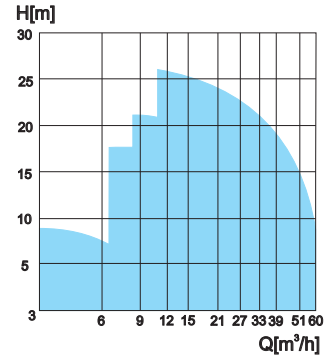
- High efficiency
- No clogging and anti-winding
- Reliable seal and no leakage
- Low noise, small vibration
- Convenient inspection

**Application:**

Used in engineering, industries and mines, Municipal project, packing house, medical system waste water treatment system and irrigation

**Performance Range:**

- Capacity: 6~52.2m<sup>3</sup>/h
- Head: 4~27m



### DA1 Multistage Pump

**Feature:**

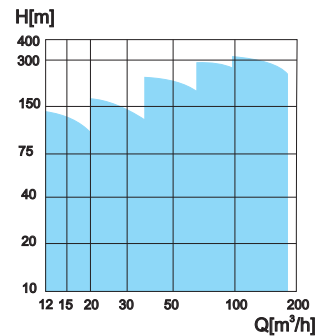
- High efficiency wide performance range
- Low noise, small vibration, steadies operation and long service life
- Reasonable construction, Convenient inspection

**Application:**

Mines, industries and building water supply and drainage, firefighting and vehicles washing

**Performance Range:**

- Capacity: 12.6~180m<sup>3</sup>/h
- Head: 13~303m
- Suction pressure: ≤0.6 Mpa



### TSWA Multistage Pump

**Feature:**

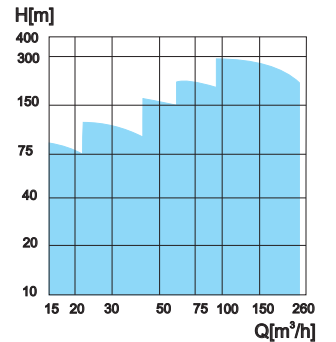
- High efficiency
- Wide performance range
- Small vibration and low noise
- Steady operation and long service life
- Reasonable construction, Convenient inspection

**Application:**

Mines, industries and buildings water supply and drainage, fire fighting and vehicles washing

**Performance Range:**

- Capacity: 15~191m<sup>3</sup>/h
- Head: 4.17~292m
- Suction pressure: ≤0.6 Mpa



### LG ( I )/ DL ( I ) Multistage Pump

**Feature:**

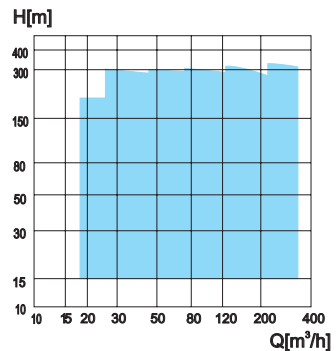
- High efficiency and energy saving
- Low noise
- Small vibration
- Multi-discharge
- Wide performance range

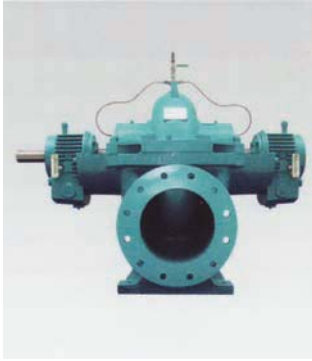
**Application:**

Water supply of high building; fire fighting water supply; industries, mines, municipal water supply; boiler water feeding; chemical process water supply

**Performance Range:**

- Capacity: 14.4~324m<sup>3</sup>/h
- Head: 13~385m
- Suction pressure: ≤1.0Mpa
- Maximum working pressure ≤3.6Mpa



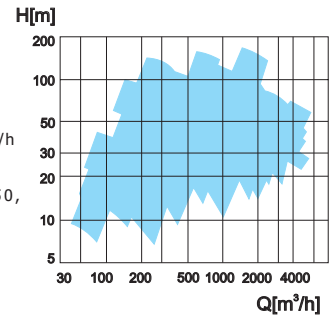


### SBB1 Petrochemical Pump

- Feature:**
- Oil lubricate
  - High efficiency
  - Double suction
  - Split case
  - API610 10th edition(ISO 13709)

**Application:**  
Petro-chemical, Oil transfer, Paper Industry

- Performance Range:**
- Capacity: 38.8~5640m<sup>3</sup>/h
  - Head: 8~180.5m
  - Speed: 740, 980, 1450, 2980rpm

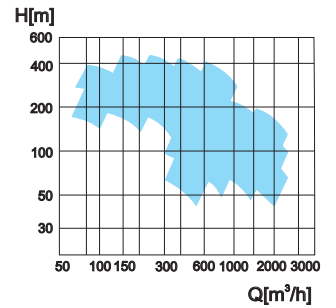


### SBB2 Petrochemical Pump

- Feature:**
- Oil lubricate
  - High efficiency
  - Double suction
  - API 610 10th edition(ISO 13709)

**Application:**  
Petro- chemical, Oil transfer Paper industry

- Performance Range:**
- Capacity: 74~2520m<sup>3</sup>/h
  - Head: 42~460m
  - Speed: 1480, 2980rpm

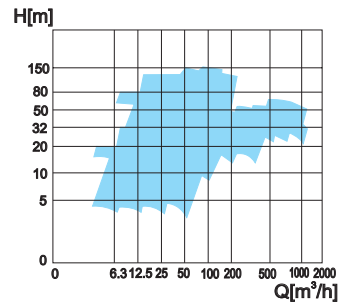


### SOH1 Chemical Pump

- Feature:**
- End suction
  - High efficiency
  - API 610 10th edition (ISO 13709)

**Application:**  
Petrochemical Oil transfer

- Performance Range:**
- Capacity: 6 ~ 1600m<sup>3</sup>/h
  - Head: 5 ~ 125m

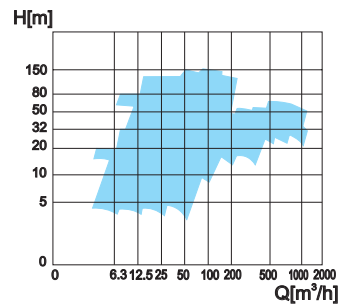


### SOH2 Chemical Pump

- Feature:**
- End suction
  - High efficiency
  - API 610 10th edition (ISO 13709)

**Application:**  
Petrochemical Oil transfer

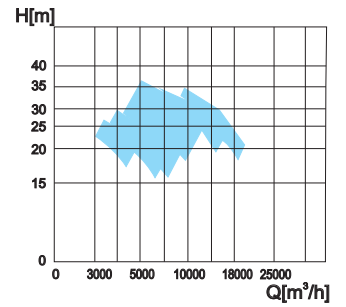
- Performance Range:**
- Capacity: 6 ~ 1600m<sup>3</sup>/h
  - Head: 5 ~ 125m





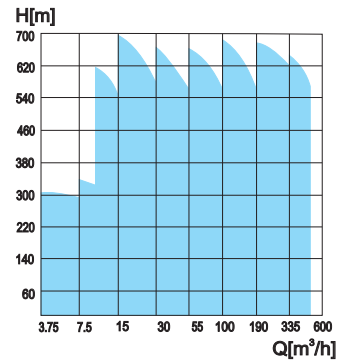
### SLTX Desulfurate Process Pump

- |   |   |   |
|---|---|---|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• Long service life</li> <li>• Convenient installation and maintenance</li> </ul> | <p><b>Application:</b></p> <p>Power plant, chemical plant</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity: 3000~20000 m<sup>3</sup>/h</li> <li>• Head: 16~36m</li> </ul> |
|---|---|---|



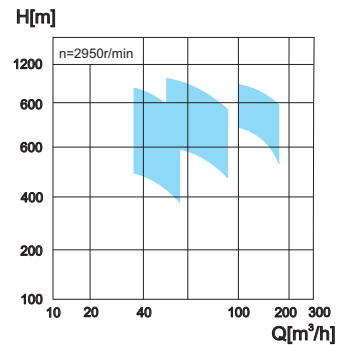
### D/DG Boiler Feeding Pump

- |   |  |  |
|---|--|--|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• High efficiency wide performance range</li> <li>• Low noise, small vibration, steady operation and long service life</li> <li>• Reasonable construction, convenient inspection</li> </ul> | <p><b>Application:</b></p> <p>Mines, industries and building water supply and drainage, fire fighting and vehicles washing</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity: 3.75~500m<sup>3</sup>/h</li> <li>• Head: 69~696 m</li> <li>• Suction pressure: ≤0.6 Mpa</li> </ul> |
|---|--|--|



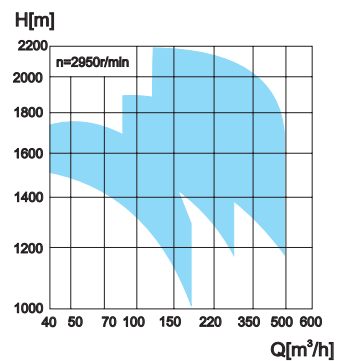
### SDG Boiler Feeding Pump

- |  |  |   |
|--|--|---|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• High efficiency</li> <li>• Low noise and small vibration,</li> <li>• Steady operation and long service life</li> </ul> | <p><b>Application:</b></p> <p>Metallurgical industry, mines and petrol-chemical process water supply. medium should be clean water, or liquids, which are similar to clean water in properties of physical and chemical, solid particle not more than 1%</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity: 36~180m<sup>3</sup>/h</li> <li>• Head: 409~1056m</li> </ul> |
|--|--|---|



### SLDG High-Pressure Boiler Feeding Pump

- |   |  |  |
|---|--|--|
| <p><b>Feature:</b></p> <ul style="list-style-type: none"> <li>• High efficiency,</li> <li>• Low noise , small vibration</li> <li>• Steady operation and long service life</li> <li>• Stabilization starting capability</li> </ul> | <p><b>Application:</b></p> <p>Medium should be clean water, or liquids, which are similar to clean water in properties of physical and chemical, solid particle not more than 1%</p> | <p><b>Performance Range:</b></p> <ul style="list-style-type: none"> <li>• Capacity: 120~500m<sup>3</sup>/h</li> <li>• Head: 1040~1945m</li> <li>• Medium temperature: t=0°C~240°C</li> </ul> |
|---|--|--|



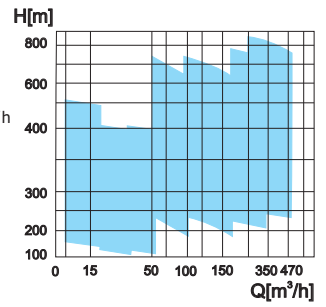


### SADY Oil Pump

- Feature:**
- No balance disc
  - Long service life

**Application:**  
Crude oil, petrochemical

- Performance Range:**
- Capacity: 7.5 ~ 500m<sup>3</sup>/h
  - Head: 100 ~ 900m

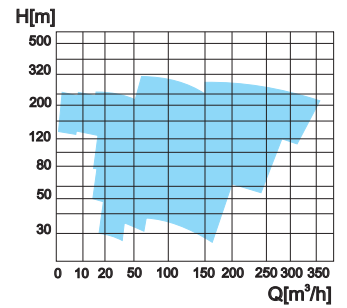


### SKY Oil Pump

- Feature:**
- Multistage
  - Split Case

**Application:**  
Crude oil, petrochemical

- Performance Range:**
- Capacity: 0 ~ 360m<sup>3</sup>/h
  - Head: 45 ~ 300m

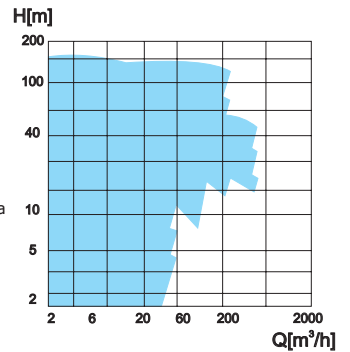


### IH Chemical Pump

- Feature:**
- High efficiency
  - Low noise and small vibration
  - Steady operation and long service life
  - Reasonable construction and convenient inspection

**Application:**  
Chemical industry, pharmacy and petrol-chemical industry water supply. medium should be corrosive viscosity liquids. Medium temperature: 20°C ~ 105°C

- Performance Range:**
- Capacity: 3.75~460m<sup>3</sup>/h
  - Head: 4~125m
  - Suction pressure: ≤0.6Mpa

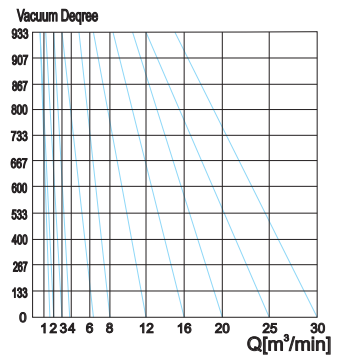


### SK Vacuum Pump

- Feature:**
- Low noise, steady operation, small vibration and long service life
  - Reasonable construction, convenient inspection

**Application:**  
Gas can not be dissolved in water and without any corrosive prosperities; temperature: -10°C - 40°C

- Performance Range:**
- Capacity: 1.6 ~ 29.9 m<sup>3</sup>/min
  - Vacuum: 0~940hpa
  - Maximum vacuum: 980 hpa





### SLV Vacuum Pump

**Feature:**

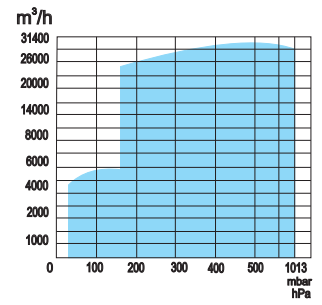
- Small vibration
- High efficiency

**Application:**

Industry, mine

**Performance Range:**

- Capacity: 500 ~ 31000 m<sup>3</sup>/h



### LRB Mud Pump

**Feature:**

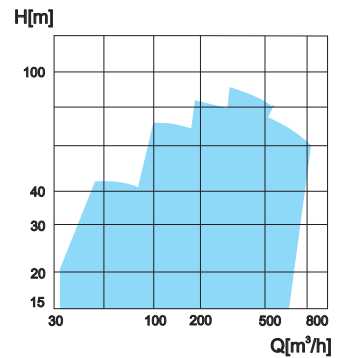
- High efficiency
- Low noise, steady operation and long service life
- Convenient inspection

**Application:**

Solid consistency less than 35% (against weight), solid particle size less than 0.5mm, alkali consistency less than 350g/l, low corrosive sewage and slag. Under none abrasion case, maximum temperature is 80°C and could not more than 100°C

**Performance Range:**

- Capacity: 32.4 ~ 816m<sup>3</sup>/h
- Head: 20~100m
- Suction pressure: ≤0.3 Mpas



### SLZB ( D ) Slurry Pump

**Feature:**

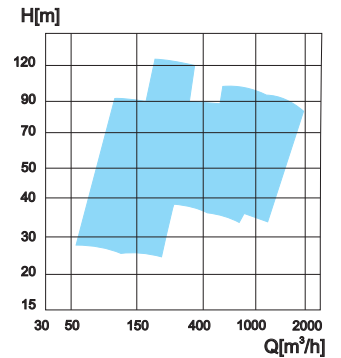
- Low noise, small vibration
- High efficiency
- Steady operation, long service life
- Convenient installation and maintenance

**Application:**

Abrasion or corrosive slurry, medium consistency  $p=1.1 \sim 1.8t/m^3$  maximum capacity consistency  $\leq 25\%$ ; maximum weight consistency  $65\% \sim 70\%$ ; medium temperature  $t \leq 130^\circ C$

**Performance Range:**

- Capacity: 38 ~ 2000m<sup>3</sup>/h
- Head: 25 ~ 125m
- Rotate speed:  $n=740 \sim 1480$  r/min
- Particle diameter: 12 ~ 110mm
- Bearing pressure: SLZB-PN1.6Mpa SLZB ( D ) - PN5.0Mpa



### SLJY Slurry Pump

**Feature:**

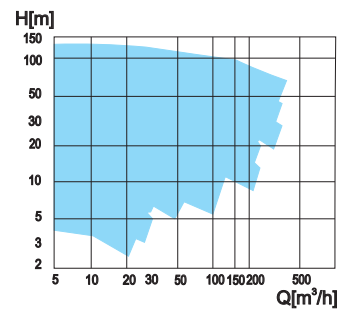
- For high temperature
- Oil lubricate

**Application:**

Slurry

**Performance Range:**

- Capacity: 5 ~ 400m<sup>3</sup>/h
- Head: 2~140m





### XBD Fire Fighting Pump

**Feature:**

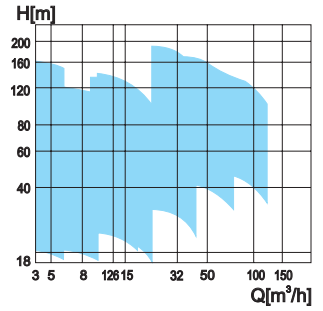
- Constant voltage and smooth curve
- Low noise and small vibration

**Application:**

Used in industrial and civil high building fixed fire fighting system, or high building water supply and drainage

**Performance Range:**

- Capacity: 3 ~120m<sup>3</sup>/h
- Head: 18 ~190m
- Suction pressure: ≤0.6 ~1.0Mpa



### XBD-DL(D) Fire Fighting Pump

**Feature:**

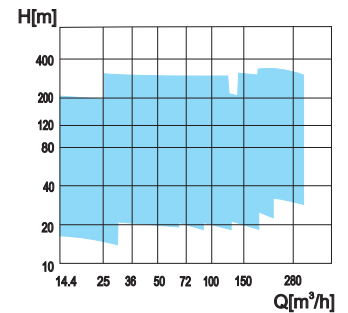
- Diesel driven

**Application:**

Fire Fighting

**Performance Range:**

- Capacity: 14.4 ~ 324 m<sup>3</sup>/h
- Head: 13 ~ 385m



### XBC-IS Fire Fighting Pump

**Feature:**

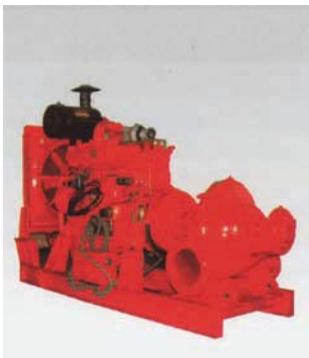
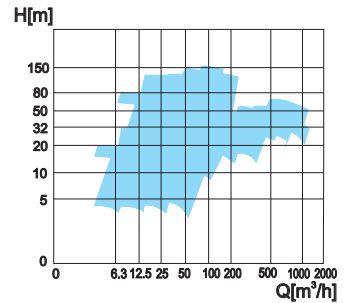
- Diesel Driven

**Application:**

Fire Fighting

**Performance Range:**

- Capacity: 6.3 ~ 1600 m<sup>3</sup>/h
- Head: 5 ~ 145m



### XBC-SS Fire Fighting Pump

**Feature:**

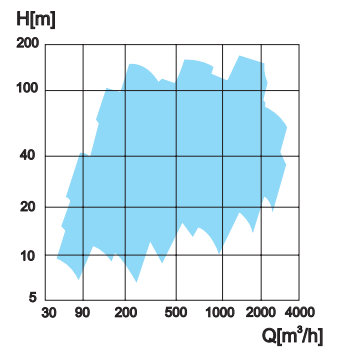
- Diesel Driven

**Application:**

Fire Fighting

**Performance Range:**

- Capacity: 50~4000 m<sup>3</sup>/min
- Head: 10~200m



# Spare Parts



Split Casing A  
Material: cast iron



Split Casing B  
Material: cast iron



Casing Cover  
Material: carbon steel



Casing Cover  
Material: bronze



Adapter  
Material: bronze



Impeller  
Material: bronze



Support  
Material: ss304



Diffuser  
Material: ss304



Impeller  
Material: ss304



Casing  
Material: cast iron



Casing  
Material: cast iron



Valve Part  
Material: cast iron



Bowl  
Material: cast iron



Office Telefax: +98 21 88086883 - 88086891

Factory Telefax: +98 21 56233066 - 7

Factory address: On the corner of 12th St. Golbon St., Boostan blvd., Shamsabad Industrial Area, 30 km  
Tehran- Ghom Highway, Iran

WebSite: [www.petropedam.com](http://www.petropedam.com)

E-mail: [Info@petropedam.com](mailto:Info@petropedam.com)