

Description

1. This is vertical monobloc pump. The motor is designed to be connected with the pump directly without coupling. It is compact structure and low construction investment. it can be used in the open air, if a protection cover is mounted.
2. The pump has the same inlet and outlet diameter, on the same central line. They can be directly installed on the pipeline and the installation can be very convenient.
3. The subtle foot design is useful for the stable installation.
4. The pump shaft is the lengthened motor shaft, which solves the serious vibration problem. The surface of pump shaft is coated with chromium which can prolong the pump service life.
5. The impeller is directly installed at the lengthened motor shaft, low noise bearing is used.
6. Adopt high grade mechanical seal to prevent the serious leakage problem.
7. Air drain plug is on the left of the pump cover. Water drain plug and pressure meter hole are at the bottom of the pump and two-side flange, easier for maintenance.
8. The unique structure makes it even unnecessary to remove the pipeline system, but only need to remove the pump cover nut for maintenance processing. It is very convenient.
9. The selection of serial or parallel connection and enlargement of pipe diameter should be based on users requirement.
10. ASLR vertical hot water circulation pump is developed to be a new generation of hot water circulation pump. It has the advantages of long service life, vibration-free, low noise, and titanium alloy is used in medium-size high temperature resistant mechanical seal. It also can reduce space engagement more than 60% its service life can be lengthened 50%, and the maintenance cost can be reduced 2/3.

11. When it is used as pressure pump, the inlet pressure of pump should be between 0.05Mpa and 0.3Mpa, and the highest working pressure of pump system should be under 1.6Mpa. The system working pressure must be indicated while placing an order. If it is more than 1.6Mpa, cast steel will be used for pump body.

12. Ambient temperature <math><40^{\circ}\text{C}</math>, relative humidity <math><95\%</math>.

13. The transferred medium can not contain more than 0.1% solid. Maximum solid size 0.2mm.

Notice: In case that the medium transferred contains tiny particles, please indicate while order, wear-resistant mechanical seal will be used.

Structural Features & Technological Advantages

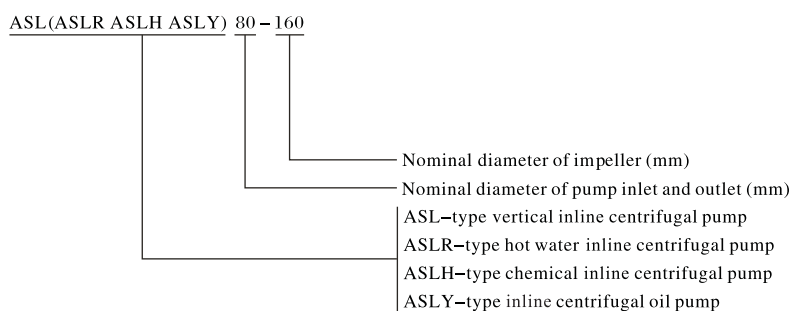
ASL series single suction vertical centrifugal inline pump adopts the most advanced hydraulic mode according to the performance parameters of centrifugal pump and the unique structural association design of vertical pump. It is manufactured accordance with the international standard ISO2858. The product is characterized by its high efficiency, reliable performance, convenient installation.

ASL series vertical centrifugal pump is used to transfer clear water or liquids similar to clear water. It is applicable for industrial and urban water supply and drainage, pressure water supply for high buildings, irrigation of flower garden, fire fighting, long-distance transfer and cooling circulation, bathroom, water circular pressurization and complete equipment set. Working temperature is below 80°C .

ASLR series vertical hot water circulation pump is widely used in boiler hot water circular booster system and urban warming system circulation, papermill, hotel, restaurant, etc. The working temperature is below 120°C .

ASLH series vertical chemical pump is used to transfer the liquids similar to clear water but without solid. It can be applied in petroleum, chemical industry, metallurgy, electricity, papermill, foodstuff, medicine, synthetic fiber, etc. Working temperature is between -20°C to 120°C .

Pump Key

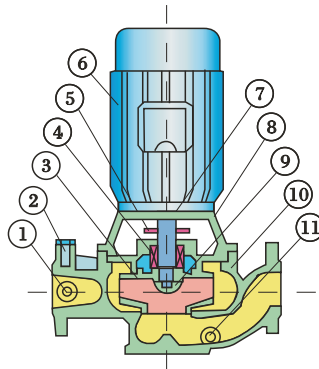


ASL SERIES

Structural Illustration

Common Type Structure

1. Plug
2. Air Drain Valve
3. Impeller
4. Mechanical Seal
5. Water-seal Ring
6. Motor
7. Shaft
8. Pedestal of Pump Casing
9. Impeller Nut
10. Pump Casing
11. Water Drain Valve

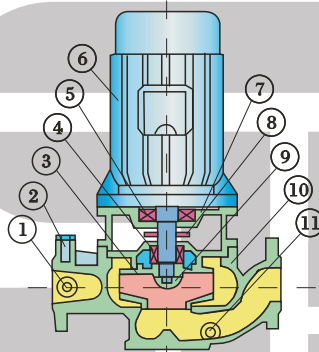


ASL Series

1. The pump and motor have the same end cover, shorten shaft dimension & simple structure.
2. The air drain valve is mounted on the pump casing, air inside the pump can be drained out before operation.
3. Base plate is installed at the bottom of pump casing to ensure the stabilization.

Hot Water-type Structure

1. Plug
2. Air Drain Valve
3. Impeller
4. Mechanical Seal
5. Water-seal Ring
6. Motor
7. Shaft
8. Pedestal of Pump Casing
9. Impeller Nut
10. Pump Casing
11. Water Drain Valve

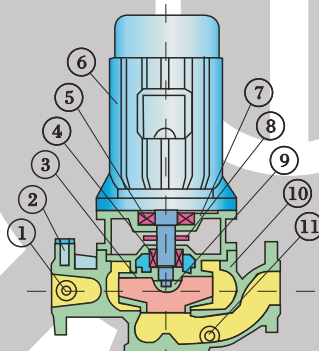


ASLR Series

1. The heat insulation cover is equipped between pump casing and the upper structure. It is suitable for the occasion when the medium temperature is below 120°C.
2. The pump and motor bearing work consistently to ensure the pump operation.
3. The cooling device can be installed inside the heat insulation cover if customer required.

Chemical type Structural

1. Plug
2. Air Drain Valve
3. Impeller
4. Mechanical Seal
5. Water-seal Ring
6. Motor
7. Shaft
8. Pedestal of Pump Casing
9. Impeller Nut
10. Pump Casing
11. Water Drain Valve

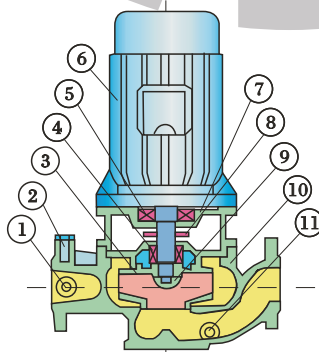


ASLH Series

1. The pump and motor bearing work consistently to ensure the pump operation of its precision, which can improve the reliability of the seal.
2. The is hard-alloy material mechanical seal.
3. Explosion proof motor is suitable for explosive liquid. Suitable for liquid temperature -20°C~120°C, and working temperature higher than 120°C.

Oil Pump type Structure

1. Plug
2. Air Drain Valve
3. Impeller
4. Mechanical Seal
5. Water-seal Ring
6. Motor
7. Shaft
8. Pedestal of Pump Casing
9. Impeller Nut
10. Pump Casing
11. Water Drain Valve



ASLY Series

1. The structure is suitable for transferring the oil, not contain solid and the temperature from -20°C to 120°C.
2. In case that the temperature of transferred oil is higher than 120°C or it contains tiny particles, the high temperature chemical pump can be selected.