

The **SILI QH series pump** is a vertical multi-stage, submersible centrifugal marine pump. This pump is especially designed for the sea water lift purpose on board the offshore platform in marine oil and gas production industry.

- Total submersible type
- Compact design
- Large capacity, max to 800m³/h
- Reliable and efficient performance

Design Features

Compact vertical centrifugal multi-stage design, easy operation and convenient maintenance.

Full pump set supply range including submersible pump, submersible motor, connection pipe, water-proof cable and a control panel.

Submersible motor filled with clean water for cooling and lubrication. And the pressure regulation switch, located at the bottom of motor, shall automatically operate to balance the pressure fluctuation caused by temperature variations.

A sand slinger and oil-sealed skeleton are equipped at the upper part of motor, preventing any sand to penetrate into the motor.

Water injection hole as well as air release hole are designed at the upper part of the motor, and water release hole at bottom (lower) part.

Thrust bearing and collar are designed at lower part of motor to stand the weight of the squirrel caged rotor and the axial thrust residual.

Water-proof wiring and winding for motor stator with excellent insulation.



Capacity range:

10m³/h to 800m³/h

Head range:

Usually below 200meter

Power:

Max to 500kw, 380V/400V/415V/440V, 50Hz/60Hz

Installation well diameter:

DN150 to DN350mm

Flange size of water discharge:

DN25mm(2 inch) to DN200mm(8 inches)

Temperature range:

5 to 30 C degree

Liquid:

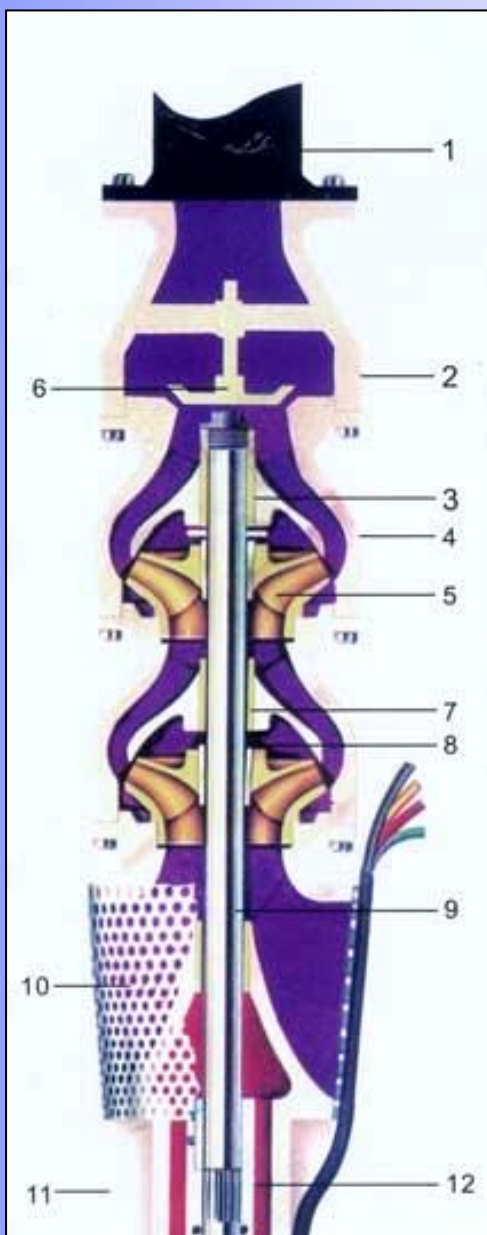
Clean sea water.

Applications

Seawater is an important fluid in the processes of offshore oil production platforms because it is used in many circuits, such as **cooling and reinjection** into the well, and it is also used for **fire-fighting, desalination** and other purpose.

For example, in the injection loop, sea water is pumped up to the platform, where it is then filtered and cleaned. The treated seawater is then injected into the well to increase the pressure there.

It can be also used in industrial water supply and agricultural irrigation projects.



The SILI QH seawater lift pump consists of electric submersible motor, coupling, shaft, and impeller, bearing impeller cone for each stage impeller assembly and also the water-proof cable, discharge pipe and control panel.

Structure and material for part item list

No.	Part name	Material
1	Discharge pipe	Cast steel or SS
2	Discharge casing	Bronze or SS
3	Up bearing	Rubber or bronze
4	Inter casing	Bronze or SS
5	Impeller	Bronze or SS
6	Non-return valve.	Bronze
7	Inter bearing	Rubber or bronze
8	Impeller cone	Bronze or SS
9	Shaft	SS
10	Strainer	SS
11	Coupling guard	SS
12	Coupling	SS

Standard material for pump wet part is SS, bronze can be available as an optional.

SS, short name for stainless steel, can be in SS304, SS316, SS316L.

Bronze: ZCuSn3Zn8Pb6Ni1

SILI PUMP,
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