

## Applications

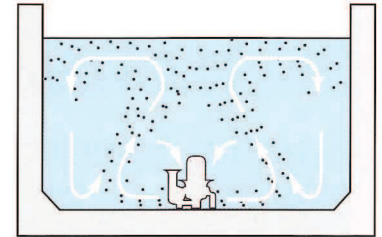
- Sewage treatment: Aeration and mixing
- Agricultural wastewater treatment: Aeration and mixing
- Industrial wastewater treatment: Aeration and mixing
- Oxygen-free tank, anaerobic tank: mixing
- Flow regulating tank: Aeration and mixing

## Features

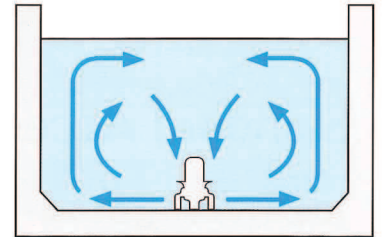
- Multipolar motor direct-drive design is compact and lightweight. No oil replacement is needed because no speed reducer is used. The SJ Series is a solution for high cost performance and lower maintenance.
- Newly developed axial-flow impeller and downward discharge casing ensure high mixing flow velocity over the tank bottom as well as wide, uniform convection.
- Bubble miniaturization effect offers a high oxygen transfer rate with lower energy consumption.
- SJ is applicable the water temperature of 0~60°C only changing the cable.
- Clogging prevention design and high-quality 4-end-face SiC double mechanical seals ensure durability in the application of long-term continuous operation under water.
- Motor can be removed from the casing by simply unfastening the bolts, which provides ample maintenance accessibility.
- Lightweight and tough cabtyre cable with special reinforcement is employed.
- Switching between anaerobic and aerobic settings is easy. Good for high-level applications in various facilities.

### Flow patterns in tank

#### ● Aeration flow



#### ● Mixing flow

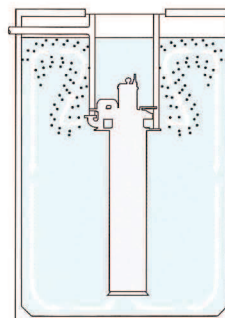


## Features

- Multipolar motor direct-drive design is compact and lightweight as well as high cost efficiency and lower maintenance.
- Upward discharge design provides efficient aeration and mixing even in a deep tank.
- Newly developed axial-flow impeller and discharge casing ensure high efficiency of oxygen transfer.
- SU is applicable the water temperature of 0~60°C only changing the cable.
- Clogging prevention design and high-quality end face SiC double mechanical seals ensure durability in the application of long-term operation under water.
- Lightweight and tough cabtyre cable with special reinforcement is employed.
- Switching between anaerobic and aerobic settings is easy. Good for high-level applications in various facilities.
- 1.5kW small models (SU15 Series) are available. Good for application at small-scale treatment facilities.

### Flow patterns in tank

#### ● Aeration flow



#### ● Mixing flow

