

## Sewage Treatment

### Hyperboloid Mixer/PABIO Mix

#### Efficient mixing in a tank and oxygen supply

PABIO Mix enables efficient mixing in a tank by using the mixing impeller with the optimal shape for mixing.



#### Features

- Energy savings

High bottom flow rate is available with small mixing force by slowly rotating large hyperboloid mixing impeller near the bottom of a tank.

Mixing force: 2 to 5W/m<sup>3</sup>

- Simple structure

Very simple structure consisting of driving section, shaft, and mixing impeller only.

The mixing impeller, made of FRP, is lightweight.

- Low-speed rotation

Suitable for biological treatment because low-speed rotation of blades has limited impact on floating sludge flock.

For the maximum wing diameter of 2,500mm, about 20 to 30rpm

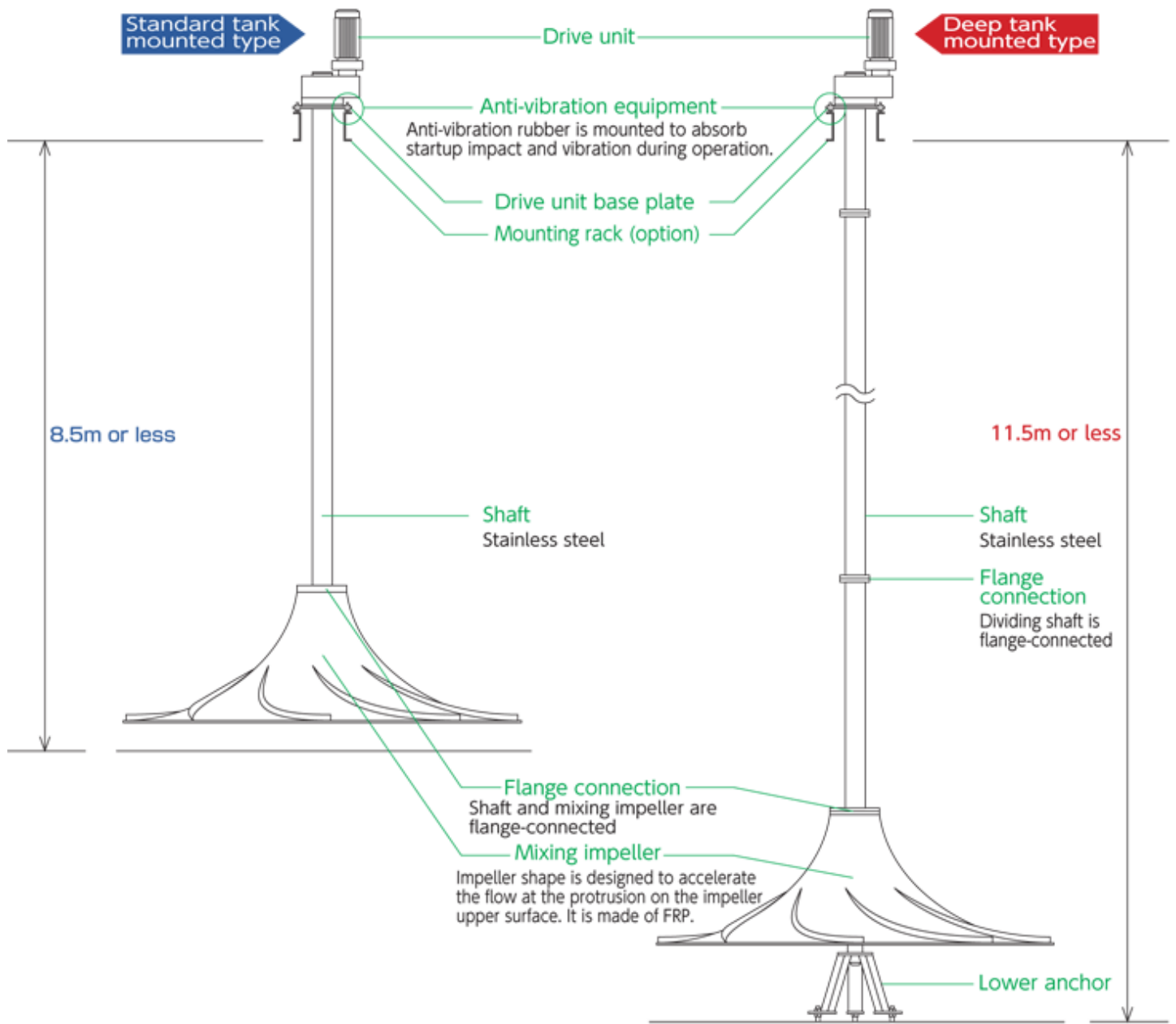
- Easy installation and maintenance and low cost of maintenance

Install and remove without draining a tank.

No maintenance is required for the submerged sections, because of no underwater sliding part nor twining of foreign substances.

Low maintenance cost only for the drive member.

#### Mechanism



## Application

- Anaerobic tank, anoxic tank