

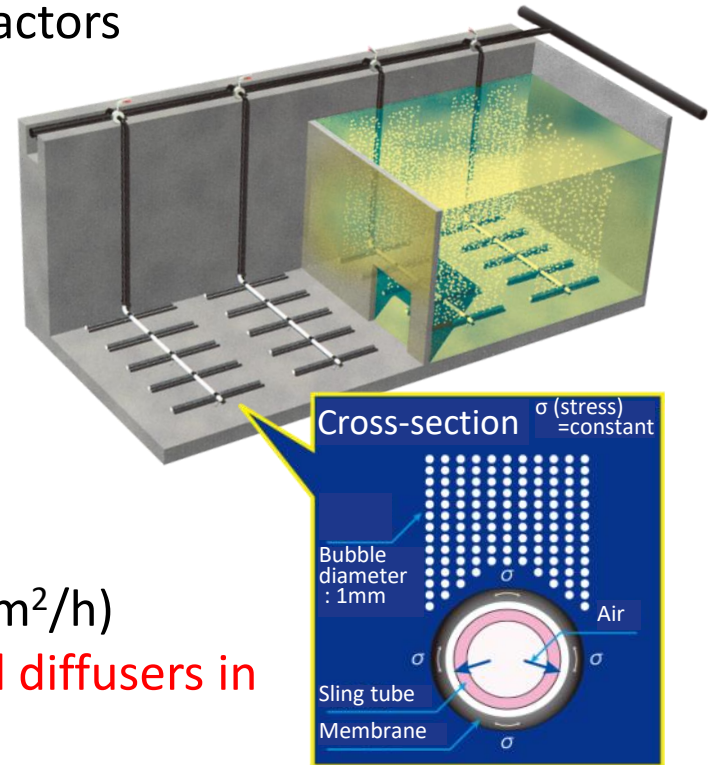
Superfine Bubble Membrane Tube Diffuser

Scope of Application

- New construction, expansion and retrofit of reactors
- Applicable to whole flow aeration and spiral flow aeration

Advantages

- High-efficiency oxygen supply (21 to 38% by clear water, at 5m depth)
→ **Reduce power consumption**
- Small pressure loss
(below 5kPa, volume of ventilation: 10 to 65Sm³/m²/h)
→ **Applicable to the combined use of new and old diffusers in the same line**
- No measures against pressure loss is required
→ **No clogging, high durability. There is a facility running up to 10 years.**



Superfine Bubble Membrane Tube Diffuser

Technology Overview

- Rubber membrane with slits is fixed to a synthetic resin sling tube.
- Ultrafine bubble of approx.1mm diameter can be produced with low pressure loss.
- When ventilation is stopped, membrane slits are closed and a membrane body tightly sticks to a sling tube by water pressure to prevent clogs by reverse flow.

