
SOLVOX[®] aquaculture hose

Oxygenation with gas pressure only



SOLVOX click hose kit featuring SOLVOX aquaculture hose

Introduction SOLVOX aquaculture hose distributes oxygen to the water in the form of small bubbles through perforations in the hose. SOLVOX aquaculture hose is ideal for emergency oxygenation in fish tanks.

- Benefits**
- Quick and easy installation and use
 - 1,500 precision perforations per meter
 - High oxygenation capacity
 - No external power needed
 - Low investment cost

Description SOLVOX aquaculture hose is designed for reliable emergency oxygenation. Oxygenation starts when the oxygen supply pressure is increased. The pressure opens the perforations in the diffuser hose, and oxygen is distributed to the water in the form of small bubbles. When the supply stops, the perforations close and thus prevent intrusion of water and particles. Well suited to emergency situations, nitrogen stripping and adding oxygen for the transport of live fish.

SOLVOX aquaculture hose is basically maintenance-free, but we recommend regular testing, cleaning, and inspection of the hoses. The aquaculture hose should be replaced, when needed, for optimal efficiency.

Installation

The SOLVOX aquaculture hose is connected to an oxygen source, like Linde's SOLVOX dosing cabinet. We recommend creating a ring loop supplied through a T-piece for even distribution of oxygen. The minimum supply pressure to achieve full capacity is 3 barg. Additional supply pressure is required to compensate for hydrostatic pressure in each individual installation.

We recommend installing the diffuser hose leveled horizontally and without sharp bends at the bottom of the tank. To prevent obstruction of self-cleaning in the tank, we recommend that SOLVOX aquaculture hose is installed at a certain distance above the tank bottom. To meet these recommendations, Linde has developed SOLVOX click hose kit to complement the aquaculture hose.

System integration

SOLVOX aquaculture hose can be integrated into any system.

To meet customer demands, Linde offers the following accessories:

- SOLVOX click hose kit
- SOLVOX dosing cabinet
- Hose fittings in non-corrosive material

Linde offers system integration support.

Technical data

Oxygen dosing capacity*	0.1–1.0 kg/h per meter
Inner diameter	13 mm
Outer diameter	20 mm
Perforations	1,500/m
Coil length	60 m
Coil weight	15 kg
Minimum bending radius	130 mm
Temperature range	-30°C to +80°C
Material	SBR, synthetic fabric

*The dosing capacity depends on many factors. Please consult your Linde representative.



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