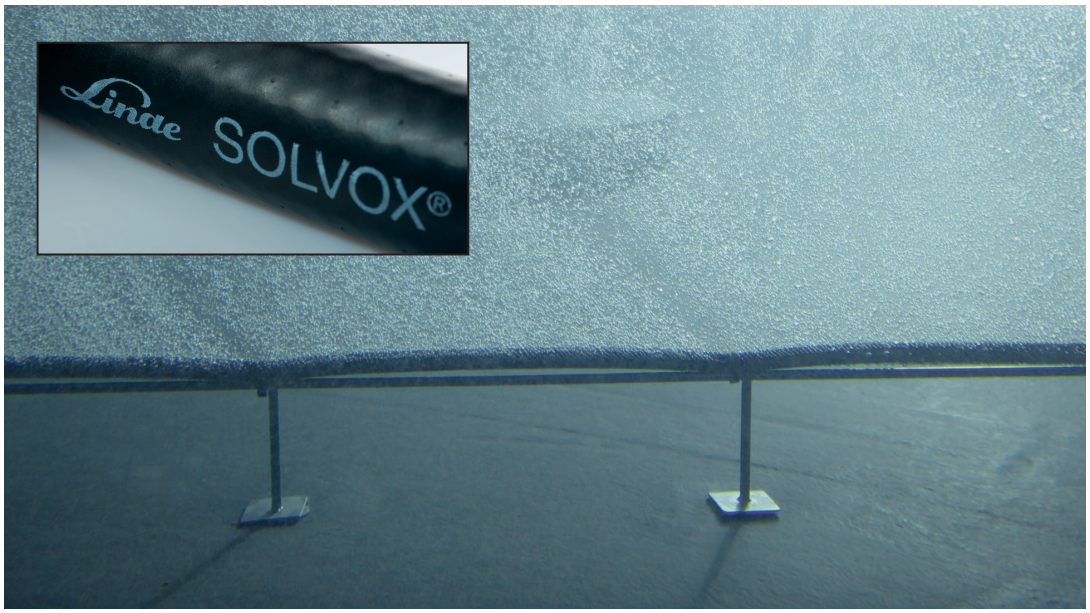
SOLVOX® Diffuser Hose.
For Oxygenation in Aquaculture.



SOLVOX® Is An Efficient And Reliable Diffuser Hose

SOLVOX® diffuser hoses work by distributing the oxygen in the form of small bubbles to the water through perforations in the hose. Diffuser hoses are used in aquaculture to stabilise the oxygen level directly in the fish tank. These hoses are also recommended for emergency oxygenation as well as to some extent for aeration/stripping of unwanted gases from the water.

SOLVOX® hose has a high capacity and starts dissolving gas at low pressure without the need for external power. The diffuser hoses are cost-effective for medium-deep to deep tanks.

Oxygenation involves the pores in the diffuser hose opening and the gas being distributed to the water in the form of small bubbles. When there is no more need for oxygen and the supply stops, the pores in the hose close to prevent ingress of water and particles.

Manufacture

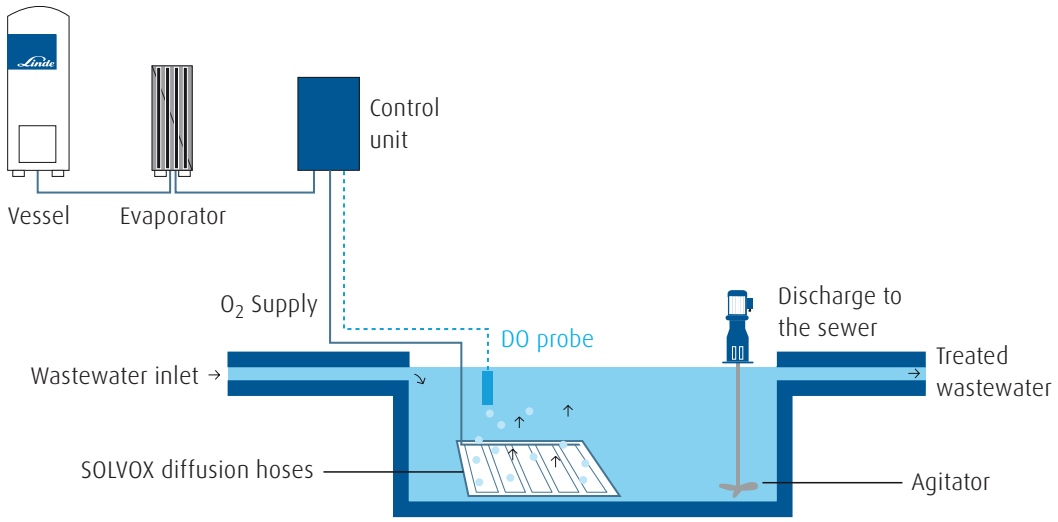
SOLVOX® hose diffuser hoses are manufactured from flexible, chemical-resistant polymer. Mechanical stability is enhanced using synthetic fabric. The perforations are created by a standardised industrial process using special needles.

Material

Inner hose:	Smooth styrene-butadiene rubber (SBR)
Reinforcement:	Synthetic fabric
Outer hose:	Weatherproof high-abrasion rubber
Colour:	Black

Technical Data

Material:	EPDM	Perforations:	1500/m
Inner Diameter:	13 mm	Working pressure:	1 bar
Outer Diameter:	20 mm	Recommended dosing/capacity:	0.2 kg/m/t
Weight/m:	200 g		



SOLVOX diffusion hoses application. Oxygen transfer via tubular diffusion hoses made of a chemical resistant elastomer rubber material installed on the bottom of the tank.

The Efficiency of SOLVOX® Diffuser Hoses Varies

The efficiency of Solvox depends on the following

- → Water depth
- → Salinity
- → Gas pressure
- → Gas volume
- → Hose length
- → Water temperature

Benefits

- → Low investment costs
- → No external energy needed
- → High oxygen capacity
- → Quick and easy installation and use
- → Easy to adapt to different sizes of fish tanks
- → No need for maintenance
- → Quiet and environmentally friendly operations
- → Stable pores preventing clogging even after long time of use

Area of use

- → Well suited for emergency situations
- → Adding oxygen into fish tanks
- → Adding oxygen for transporting of live fish. Reduces stress and mortality
- → Adding oxygen and CO_2 for anesthesia/ sedation of fish
- → Adding oxygen during water treatment
- → Adding CO_2 for pH control

Connectors

The gas inlet to the diffusers is connected to Linde dosing cabinet or equivalent. As standard gas distribution, it is recommended degreased stainless steel or copper pipes. Connection with standard oxygen welding hose is preferred.

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