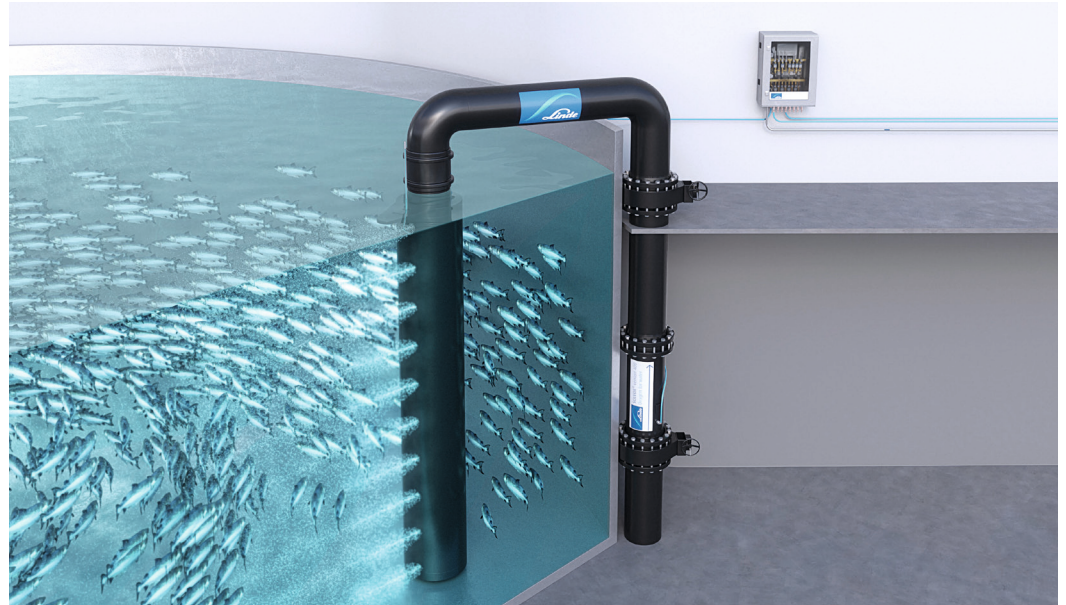




SOLVOX[®] streamline

For optimal tank hydraulics



Typical installation of SOLVOX[®] streamline in a fish tank

Introduction SOLVOX[®] streamline is a tailor-made inlet system designed for achieving optimal tank hydraulics. It is customized based on Linde's well-proven dimensioning and design process in close cooperation with the customer to create optimal conditions for the fish.

- Benefits**
- Optimal tank hydraulics
 - Integrated flow indicator
 - Adjustable flow direction
 - Sustainable with low cost for operation and maintenance

Description SOLVOX streamline provides a uniform thrust in the water column, which is important to achieve efficient self-cleaning of waste substances. SOLVOX streamline improves the tank environment and promotes good fish health. A homogeneous water environment contributes to a better utilization of the tank volume. Good tank hydraulics creates an even distribution of oxygen in the water volume.

SOLVOX streamline has a built-in water flow indicator that provides important information about the amount of water entering through each streamline. The streamline also has the capability to recycle undissolved oxygen from the water supply. The streamline can be rotated around its own axis so the direction of the water outlet jets can be adjusted. This makes it possible to optimize the tank hydraulics for the actual production requirements, fish species, size, stock density and water retention time.

SOLVOX streamline is available in a wide range of sizes and can handle water flows ranging from 3 to 3,000 m³/h. For large fish tanks, with high water flow rates, multiple SOLVOX streamline units are normally installed.

Installation SOLVOX® streamline requires a top-positioned water inlet. The inlet connection can be a straight pipe for a sliding sleeve connection, standard flanges in DIN EN 1092/1, or another customer-specified flange standard.

SOLVOX streamline rests on a bracket fixed to the bottom of the tank. SOLVOX streamline can easily be retrofitted into existing tanks for a cost-efficient installation. The detailed installation procedure is delivered with the unit.

The SOLVOX streamline is basically maintenance-free.

System integration For an optimal SOLVOX streamline installation, we recommend the following accessories:

- SOLVOX cone
- SOLVOX venturi

Selected versions of SOLVOX streamline can be complemented with a servo system to support the operator for easier rotational positioning of the outer pipe, and thereby the direction of the water outlet jets.

Technical data

Sliding muff pipe connection	d40–d500
Optional flange connection	DN40–DN800
Design flow per unit	3–3,000 m ³ /h
Material	HDPE

1. Analog flow indicator
2. Standard/optional connection
3. Name plate
4. Adjustment arm
5. Outer tube
6. Calibrated outlet nozzles
7. Bottom fixation

