

# SOLVOX®-I

## Transferring pure oxygen by the injector principle

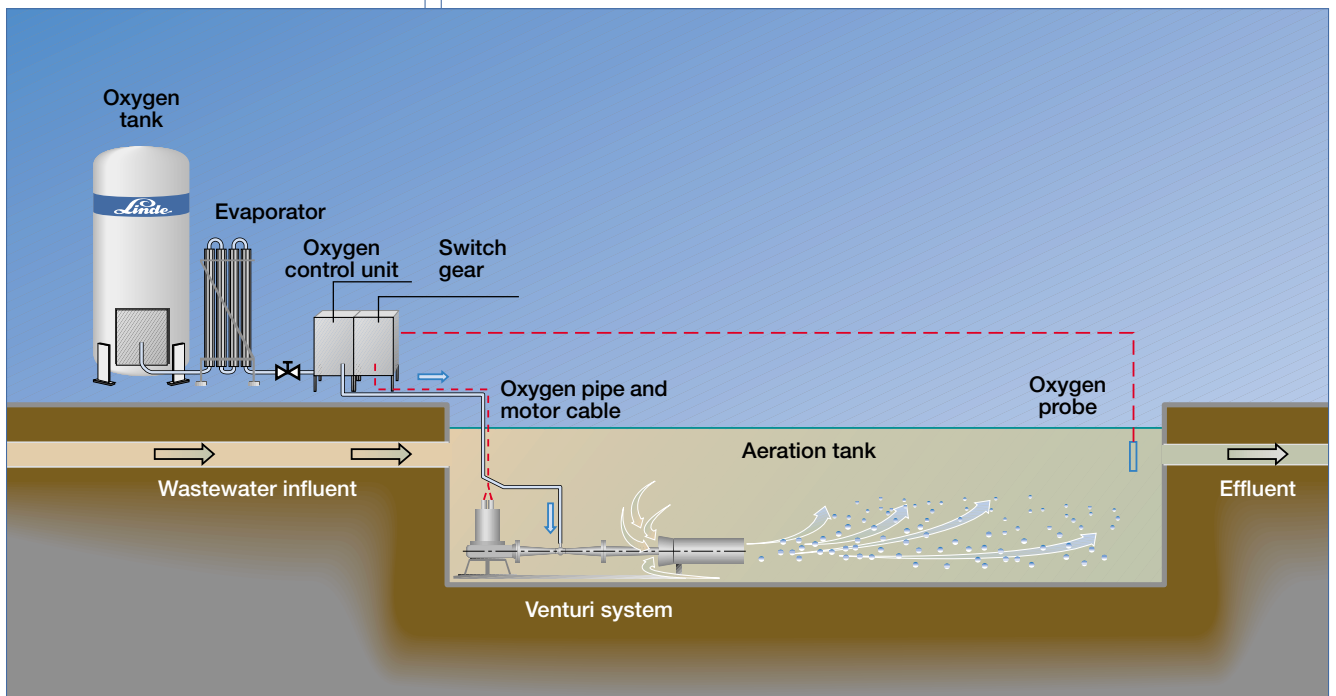
The Linde SOLVOX®-I process operating on the injector principle is distinguished by particularly economical oxygen transfer at low water depths.

The design, dimensioning and integration of the principal components

- Submersible sewage pump
- Venturi pipe with oxygen inlet
- Impulse exchange pipe (mixing pipe)
- Base frame

ensure optimum oxygen transfer under the given conditions.

This system has proved itself time and time again in practice. The SOLVOX®-I systems guarantee high operational reliability and long service life.



The continued development of our quality products is the basis of a new generation of SOLVOX®-I systems. The realization of higher gross oxygen transfer efficiencies is a further contribution to greatest possible economy of the application of pure oxygen for biological treatment – for the benefit of our customers in municipalities and industry.



**Advantages:**

- High oxygen transfer efficiency – thus very cost-saving operation
- Oxygen transfer together with intensive circulation of the tank contents
- Large range of oxygen transfer capacity
- Minimal construction work – no civil engineering or construction (e.g. for piping) required
- Ready for operation within a very short time – installation in full tanks possible
- Reliable function due to wear-resistant design and high-quality components

**Fields of application:**

Biological wastewater treatment

- Oxygen transfer into shallow aeration tanks and oxidation ditches
- Process conversion to nitrogen elimination
- Elimination of bad odours

Surface water

- Specific oxygen transfer into organically polluted ponds, lakes and running water

Fishfarming

- Oxygen enrichment in channels and oxygenation tanks
- Oxygen input into large production tanks

**Technical data:**

**SOLVOX®-I standard types (400 V~, 50 Hz)**

Oxygen transfer capacity in clean water OC	[ kg/h ]	15	60	80
Rated power	[ kW ]	6	18,5	22
Overall dimensions LxWxH	[ mm ]	3200x800x900	5500x1000x1850	6500x1300x2200
Weight	[ kg ]	270	850	1150

Materials

- Venturi/Mixing pipe, base frame CrNi steel 1.4301
- Other materials and special designs (e.g. pumps for wet and dry installation) on customer request

Options:

- Oxygen control unit
- Switch gear including motor, bearing and seal control.

**Linde**

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Printed information on all Linde products and services is available from our sales offices.

Our specialist staff are on call to advise you.