

# SOLVOX<sup>®</sup> dosing cabinet

## For optimal and safe dosing of oxygen



Example of SOLVOX dosing cabinet

**Introduction** SOLVOX dosing cabinet is a series of tailor-made oxygen dosing cabinets. Available in configurations for operational oxygenation, emergency oxygenation or both, these dosing cabinets support standard system integration.

- Benefits**
- Compliant with international standards and safety regulations
  - All components are approved for oxygen use
  - Tailored to fit your installation
  - Designed for optimal oxygen dosing precision

**Description** Fish grow best with a constant oxygen saturation in the water. The consumption of oxygen varies according to fish size, feeding rate and activity level. To maintain a stable oxygen level, different amounts of oxygen have to be dosed at different times. SOLVOX dosing cabinet is designed to meet those requirements. It also has a lean design that enhances safety and flexibility. SOLVOX dosing cabinets are available for all Linde SOLVOX oxygen dissolvers.

The dosing cabinet is ideal for controlling and distributing the oxygen from the distribution network to the oxygenation equipment. As well as featuring standard components, the dosing cabinet has a standard interface for system integration. Linde has developed a special control philosophy guideline to help system integrators achieve the best possible functionality.

The cabinet can be configured to meet your demands. Main component setup can vary to achieve the best oxygenation precision and safety for your application.

SOLVOX dosing cabinet, can be configured to align with your oxygenation equipment, capacity need, pressure need, safety features and system integration.

The cabinets have flammability protection corresponding to UL 94-V0 and they are halogen-free to prevent the emission of toxic and corrosive gases.

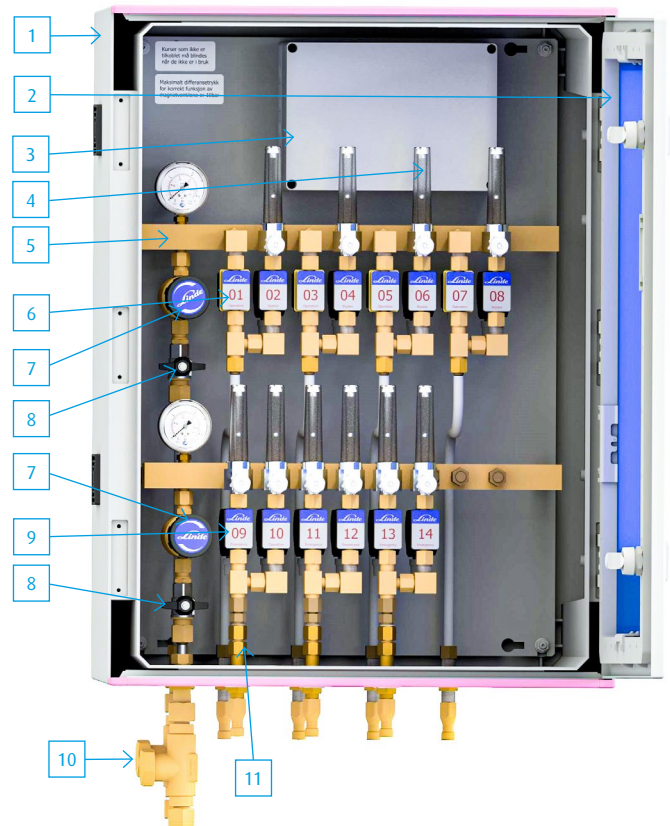
**Installation** SOLVOX dosing cabinet is suitable for both indoor and outdoor installation. We recommend installing dosing cabinets higher than the surface of the water to be oxygenated.

**System integration** SOLVOX dosing cabinet can be used with all of our SOLVOX oxygen dissolvers. SOLVOX dosing cabinets come with 24 V DC interfaces for system integration and multiple control signal options. Cabinets with proportional valves must be commissioned and adjusted to the correct flow range.

<b>Technical data</b>	Maximum number of channels	16 (depending on the capacity per channel)
	Capacity per channel	0-75 kg/h
	Inlet connection	½" or ¾" stainless steel welding nipple
	Outlet connections	¾" or ½" hose nipples or welding nipples
	Cabinet dimensions	600 x 600 x 200 and 600 x 800 x 300 mm
	Weight	33-60 kg (depending on application)
	Operating voltage	24 VDC
	Control signals for proportional valves	0-20 mA, 4-20 mA or 0-5 V, 0-10 V (configurable)
	Materials (main components)	Fiberglass, special oxygen-compatible brass

The cabinet is composed of a set of main components:

1. Waterproof plastic cabinet
2. Transparent acrylic glass door
3. Electrical switch box
4. Flowmeter
5. Manifold
6. Proportional valves
7. Pressure regulator
8. On/off ball valve
9. On/off solenoid valves
10. Inlet filter
11. Non-return valves



**BOC Limited**

Customer Service Centre, Priestley Road, Worsley, Manchester M28 2UT, United Kingdom  
 UK Tel 0800 111 333, Fax 0800 111 555, ROI Tel 01 409 1800, Fax 01 409 1801, boconline.co.uk, boconline.ie