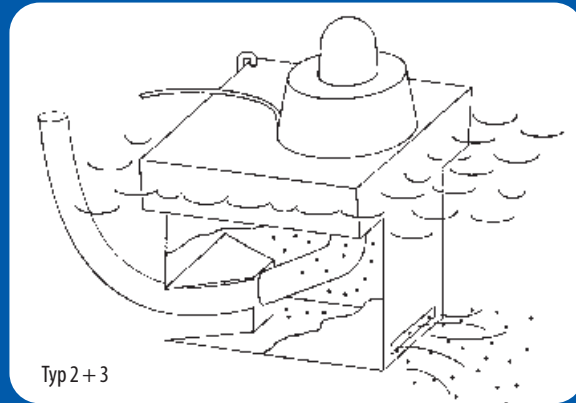


Oxygen-Enrichment



Oxyplus® gravity

Oxygen enrichment system for use with an existing pressure head.

Our **Oxyplus** oxygen transfer system works with very low pressure difference. This makes the use of this system possible, without a separate pump, where specific requirements are fulfilled.

Oxyplus can then be used without power supply, only a supply of oxygen. To use the system without a motor, you will need an existing gradient/hydraulic head, which, depending on the **Oxyplus** model, must be between 50 – 100 cm.

The pressure of this fall is sufficient to direct the water into the system's mixing device. Here the enrichment of the water with oxygen by special mixing equipment will be carried out – as in the motorised systems, and the action and efficiency is the same - but without the energy costs!

It is very important for operations without a motor where no electric current is used, that the necessary fall of water is achieved

and that the volume of water flow is appropriate for the apparatus used. Differing volumes of water flow and pressure ratio alter the amount of oxygen taken up and so alter the efficiency of the system.

Oxyplus gravity can be supplied in several models:

Type 1 – 3/floating models

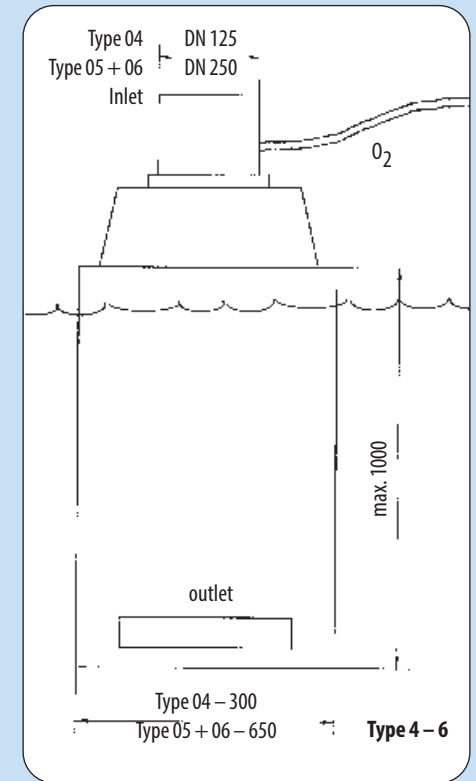
For this model we use the basic float of the **Oxyplus** apparatus with motor. Type 1 is, therefore, the same size and construction as the 0.25 kW model, Types 2 and 3 are the same as the 0.55/0.75 kW models. The floating models are quick and easy to install and do not need an inlet screen or motor. The water is directed into the apparatus by a self-contained synthetic spiral hose, supplied.

Type 4 – 6/stationary models

These models have a separate polyethylene housing which contains our own specially-developed mixing device. The water with the required fall is directed into this container and enriched.

This is a fixed container and may also be built into a fall pipe. It is essential that the container is stabilised and firmly secured.

The height of the container can be varied by us (max. 100 cm), according to customer's requirements. In addition, it is possible to order different inlets and outlets



Technical

		floating			stationary		
		Type 1	Type 2	Type 3	Type 4	Type 5	Type 6
Oxyplus gravity							
Required water flow	l/s	14	32	42	5	32	42
	m ³ /h	50	115	150	17	115	150
Min. head	cm	50	60	90	50	60	90
O ₂ enrichment max.	l/min	9	17	25	4	17	25
	m ³ /h	0.5	1.0	1.5	0.24	1.0	1.5
Dimensions	cm	∅ 105 H 110	100 x 105 x 120		∅ 30	∅ 65 H max. 130	