

BOSDOX®

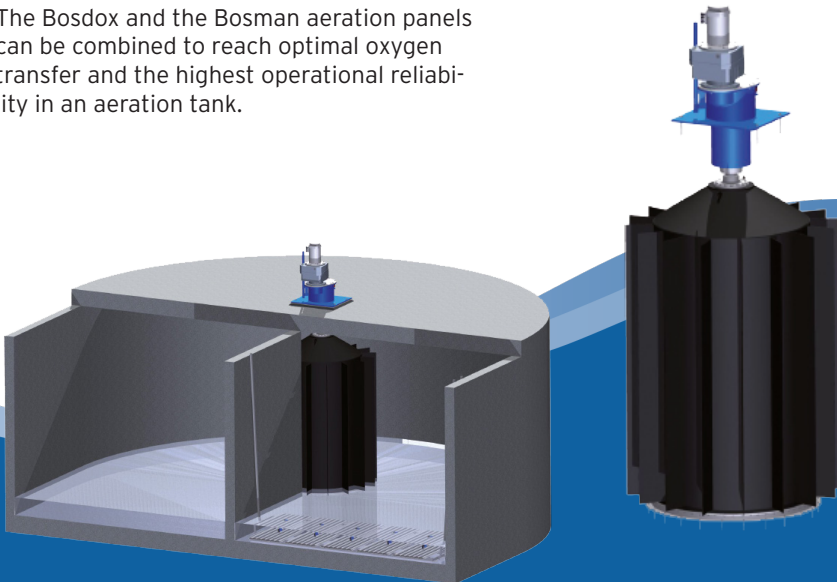
GETTING MAXIMUM PROPULSION EFFICIENCY

The Bosdox is a vertical propulsor and can be applied to create flow in a carousel type of aeration tank. It has the shape of a vertical drum and will be installed at the head end(s) of the aeration tank. The vertical drum hangs on a concrete construction, for example at the spot of a (previously installed) surface aerator. On top of the concrete deck an electric drive provides the transmission of the Bosdox.

The Bosdox and the Bosman aeration panels can be combined to reach optimal oxygen transfer and the highest operational reliability in an aeration tank.

THE ADVANTAGES

- High (oxygen transfer) efficiency
- High accessibility
- Low maintenance costs
- No clogging





High (oxygen transfer) efficiency

The Bosdox is the most efficient propulsor on the market. The vertical rotors are situated in the bends of the carrousel where friction loss is at its highest, resulting in a higher propulsion efficiency. Aeration will also be more efficient using a Bosdox. Propulsion is evenly distributed over the entire waterdepth creating a more constant flow. In addition, continuous aeration grids can be applied and there is more space available for aeration panels.



High accessibility

The transmission of the Bosdox is completely located above the water level and easily accessible by the concrete deck. This way inspection can be done very easily.



No clogging

The propellers of conventional propulsors can get clogged by materials floating in the aeration tank. The Bosdox cannot get clogged by these materials which makes for a high operational reliability.