

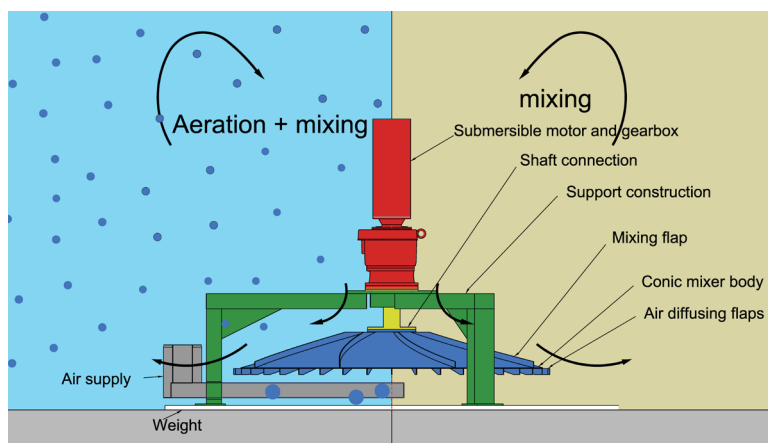


AQUA TURBO® AER-GS

Low speed submersible aerator / mixer

- High mixing capacity : No dead zones
- High α -factor : Minimum coalescence of air bubbles
- Low head loss : Relatively low pressure and blower power in relation to the air flow
- Non clogging due to the cone shaped mixer and the central air inlet
- Simple installation : Basin does not have to be emptied

- Combined aerator / mixer
- Mixing capacity is maintained even when blower is shut off and same air bubble distribution at lower blower frequency. The aeration and mixing efficiency is practically independent of the airflow
- High oxygen transfer, also at medium and high MLSS
- The possibility of separate mixing/aeration is efficient for the oxygen regulation, for example SBR/MBR-reactors.
- Low noise
- Robust construction
- Power from 3 kW to 30 kW
- Over 360 degrees evenly distributed airflow via the cone-shaped mixer body
- Heavy duty gearbox
- Rental availability
- Possible connection to existing blowers
- Easy replacement of the bearing sleeve in filled basin or bridge mounted execution thanks to the engineered solution with guide cone on the static bearing part
- OPTION: lifting hoist



The AER-GS is the ideal combination of an aerator and a mixer. It can be used as an aerator and a mixer together, or it can be used as a mixer only.

Typical executions

The AER-GS is available with submersible motor/gearbox or with dry mounted gearbox on top of a walkway, an extended shaft and bottom bearing.



Basic Data

Motor power	Impeller diameter *	R.P.M.	Maximum Airflow * *
30,0 kW	2300 - 2800 mm	41,6	2500 m ³ /h
22,0 kW	2300 - 2500 mm	37,6	2000 m ³ /h
18,5 kW	2300 - 2500 mm	32,5	1600 m ³ /h
15,0 kW	2300 - 2500 mm	32,4	1400 m ³ /h
11,0 kW	2300 - 2500 mm	29,4	1200 m ³ /h
9,0 kW	2000 mm	32,3	1100 m ³ /h
7,5 kW	2000 mm	32,3	1000 m ³ /h
5,5 kW	2000 mm	30,8	900 m ³ /h
4,0 kW	2000 mm	27,6	750 m ³ /h
3,0 kW	1500 mm	40,8	600 m ³ /h

All values are indicative. Aquasystems International NV reserves the right to adjust these values at any time.

* other dimensions are possible on demand

** depends on basins geometry

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