

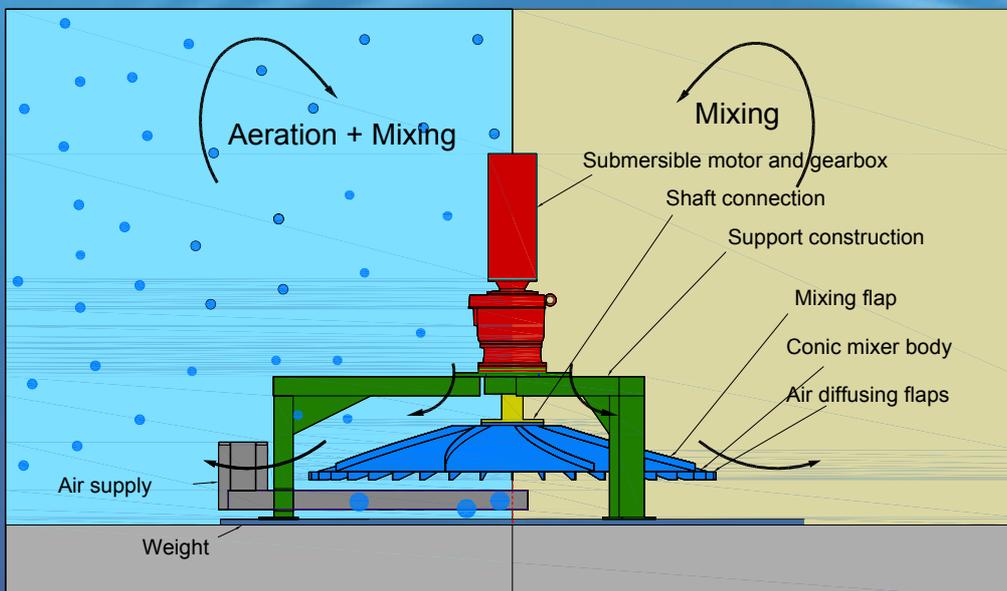
# AQUA TURBO® AER-GS

Low speed submersible aerator / mixer

- Combined aerator / mixer
- Mixing capacity is maintained even when blower is shut off and same airbubble distribution at lower blower frequency. The aeration and mixing efficiency is practically Independent of the airflow
- High mixing capacity : No dead zones
- High  $\alpha$ -factor : Minimum coalescence of airbubbles.
- High oxygen transfer, also at medium and high MLSS
- The possibility of separate mixing/aeration is efficient for the oxygen regulation, for exemple SBR/MBR-reactors.
- Low headlosses : Relatively low pressure and blower-power in relation to the air flow
- Low noise
- Robust construction
- Power from 1.1 kW to 30kW
- Over 360 degrees evenly distributed airflow via the cone-shaped mixer body
- No clogging due to the cone shaped mixer and the central air inlet
- Heavy duty gearbox
- Simple installation : Basin does not have to be emptied
- Rental availability
- Possible connection to existing blowers
- Aerator can be equipped with extended legs to stand over obstructions like piping, diffusers, ...



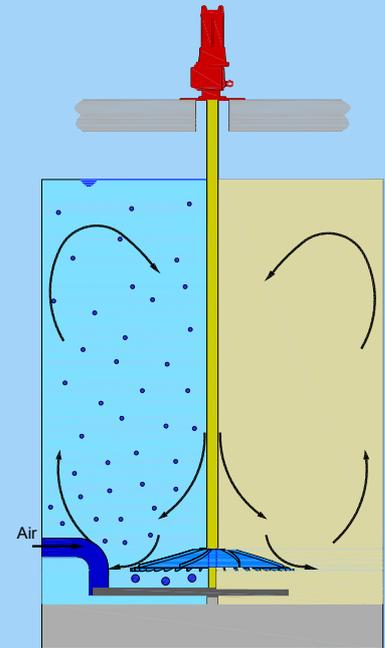
- Execution as mixer alone is also possible : **MIX-GS**



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 gearbox on top of a walkway, an extended shaft and bottom bearing.



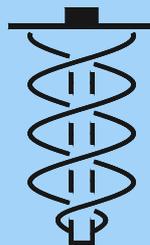
## Basic Data

<i>Motor power</i>	<i>Impeller diameter</i>	<i>R.P.M.</i>	<i>Maximum Airflow</i>
30 kW	2300 - 3000mm	42 - 30.5	2500 - 3250 m <sup>3</sup> /h
22 kW	2300 - 3000 mm	37.2 - 27	2000 - 2600 m <sup>3</sup> /h
18.5 kW	2300 - 3000mm	35 - 23	1600 - 2050 m <sup>3</sup> /h
15 kW	2300 - 3000mm	32 - 21	1400 - 1800 m <sup>3</sup> /h
11 kW	2300 - 3000mm	28 - 17.5	1200 - 1550m <sup>3</sup> /h
7.5 kW	2000 - 2500mm	32.8 - 22.5	1000 - 1250 m <sup>3</sup> /h
5.5 kW	2000 - 2500mm	28.5 - 18.5	900 - 1100 m <sup>3</sup> /h
4 kW	2000 - 2500mm	23.6 - 16	750 - 900 m <sup>3</sup> /h
3 kW	1500 - 2000 mm	34.48 - 20.5	600 - 800 m <sup>3</sup> /h
2,2 kW	1500 - 2000 mm	30.5 - 17	500 - 650 m <sup>3</sup> /h
1,5 kW	1500 - 2000 mm	25.3 - 14	400 - 500 m <sup>3</sup> /h
1,1 kW	1500 - 2000 mm	22.3 - 10	350 - 450 m <sup>3</sup> /h

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

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