

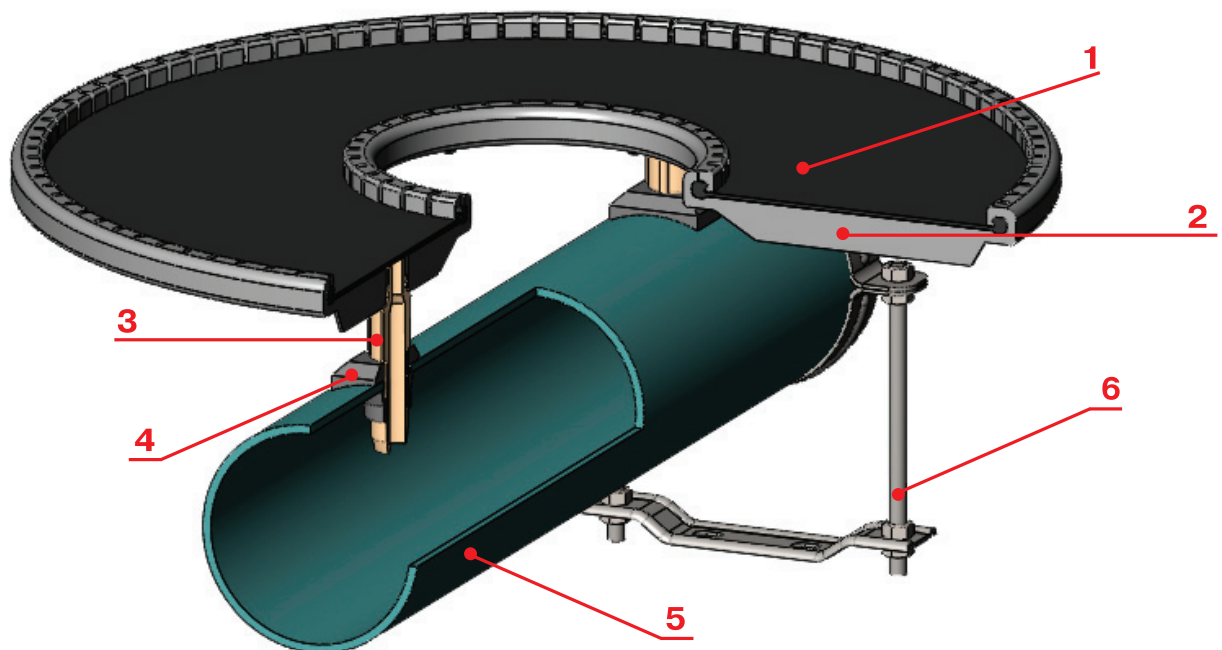


AQUA-TOR 500 DIFFUSER



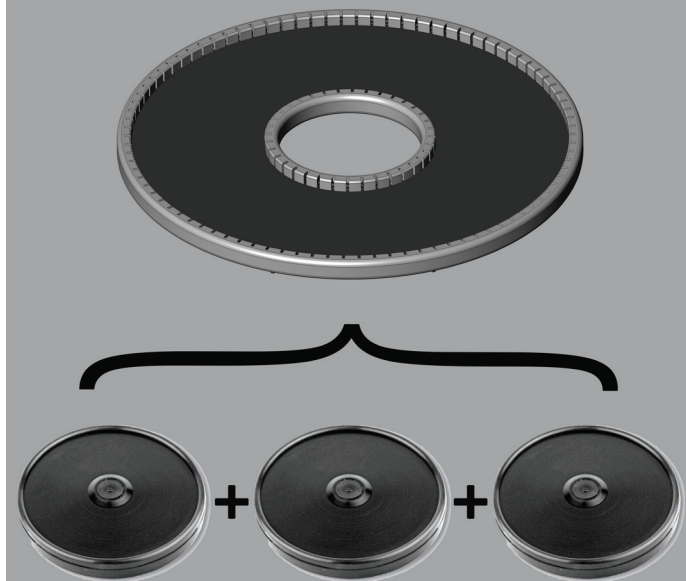
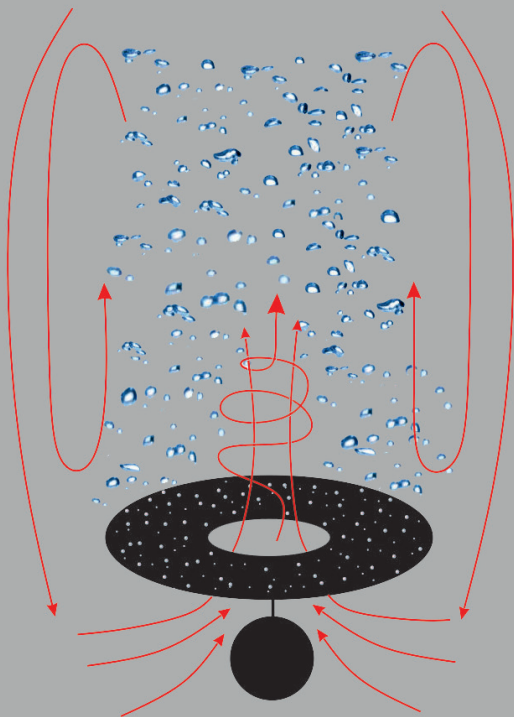
AQUA-TOR 500 DIFFUSER

AQUA-TOR 500 diffuser systems combine engineering excellence, superior component quality, and a technically advanced product concept. Proven highly durable and efficient in thousands of municipal and industrial installations worldwide, this advanced system has reliability built in to every stage of performance.



1 – Membrane
2 – Base plate
3 – Sleeve

4 – Grommet
5 – Air Pipe
6 – Pipe support



UP-TO-DATE HIGH-PERFORMANCE AQUA-TOR 500 DIFFUSERS POSSESS UNIQUE PROPERTIES:

- high SOTE rates at low headlosses;
- intensive mixing of activated sludge ensured due to airlift effect;
- high economic efficiency of aeration at considerable air-flow rates per diffuser - capacity of one AQUA-TOR 500 diffuser is equal to capacity of 3 conventional 12" disc diffusers; simple to install on site, compact to ship and move;
- less money on capex (less pipe, supports and labor to install).

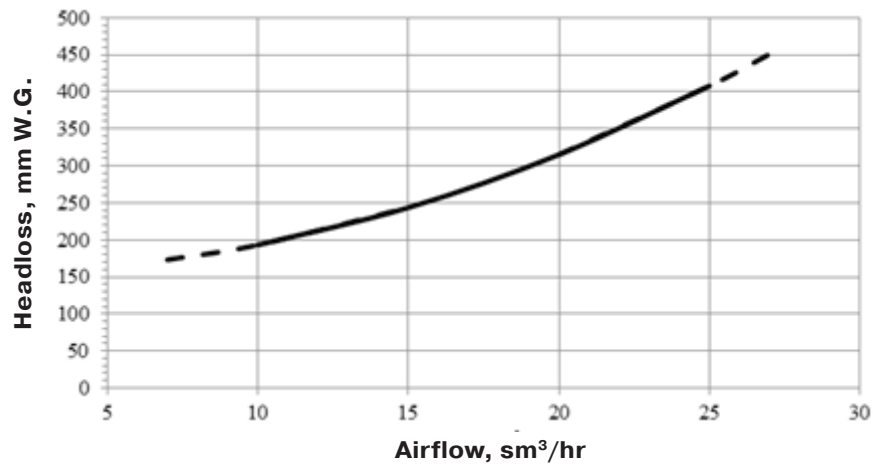
DIMENSIONS OF AQUA-TOR 500

Outside diameter, mm	Inside diameter, mm	Active surface area, m ²	Slit size, mm	Number of slits	Sleeve orifice diameter, mm
490	150	0,14	1,2	≈ 21 000	10

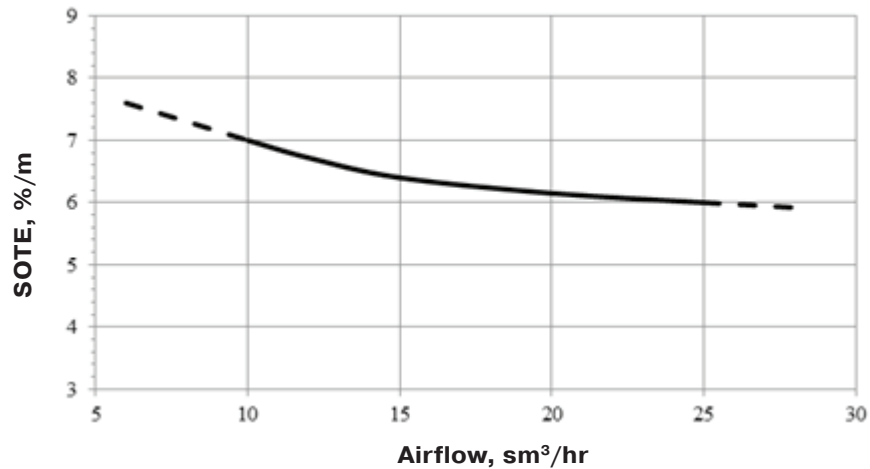
OPERATING PARAMETERS AQUA-TOR 500

Operating airflow rates, m ³ /hr	Max. overload/ maintenance airflow rate, m ³ /hr	Head loss, mbar	SOTE (standart oxygen transfer efficiency), %/m	Capacity per unit, kgO ₂ /hr*m
10-25	30	14-40	6,0-7,5	0,3-0,35

Headloss



Standard oxygen transfer efficiency per meter



Highest possible SOTE at high airflow rates tested per ASCE standard.

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