

Ventoxal[™]



The oxygen transfer device for wastewater treatment

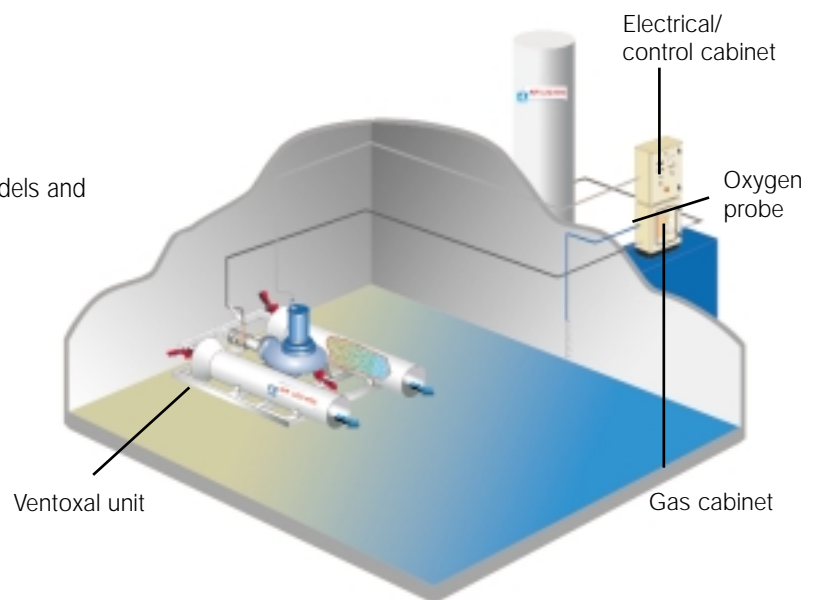
VENTOXAL: MORE THAN 500 UNITS INSTALLED WORLDWIDE

VENTOXAL IS AN OXYGEN TRANSFER DEVICE WITH HIGH MIXING PROPERTIES, DESIGNED TO BE IMMERSED IN WASTEWATER BASINS. WATER TO BE TREATED IS PUMPED INTO A GAS-LIQUID CONTACTOR WHERE OXYGEN IS INTRODUCED. THE OXYGEN-ENRICHED STREAM IS INJECTED BACK INTO THE BASIN VIA STIRRING NOZZLES THAT OPTIMIZE OVERALL OXYGENATION AND WATER MIXING.

FEATURES

AIR LIQUIDE has developed a wide range of standard models and options for you to allow Ventoxal to fit your configuration:

- Up to 240 kg/h O₂ per unit.
- Skid-mounted or external pump
- Stainless steel 304 L or 316 L
- Cabinets for one or more Ventoxal units.





VENTOXAL TECHNICAL DATA

	Dimensions (l x w x h) m	Weight (kg)	Power (Kw)	Water (m ³ /h)	Oxygen (kg/h)
Compact					
Ventoxal 100	2.1 x 0.7 x 0.9	550	4.6	100	20 to 40
Ventoxal 200	2.2 x 2.1 x 0.9	700	10.1	200	40 to 80
Ventoxal 300	2.5 x 2.1 x 0.9	760	14.7	300	80 to 120
Ventoxal 600	2.8 x 5.0 x 0.9	1500	32.7	600	120 to 240
Outside Pump					
Ventoxal 100	2.1 x 0.7 x 0.9	120	5.1	100	20 to 40
Ventoxal 200	2.3 x 2.1 x 0.9	300	10.8	200	40 to 80
Ventoxal 300	2.5 x 2.1 x 0.9	300	16.8	300	80 to 120
Ventoxal 600	2.7 x 5.2 x 0.9	650	38.2	600	120 to 240

A custom-made Ventoxal is available on request by consulting an Air Liquide specialist.



AIR LIQUIDE OFFERS:

- Very high O₂ transfer with low energy requirements
- Technical assistance from dedicated environment specialists
- Process control to optimize your O₂ consumption
- Large stirring capacity, up to six times the pumped flow rate
- Data recording and parameters teletransmission



BENEFITS:

- Increased biological treatment capacity (spot or permanent)
- Reduced footprint of new biological plant
- Stabilized aerobic sludge
- Better decantability of sludge
- Controlled odor abatement



YOUR ACTIVITIES:

- Dairy or other food processing plants
- Chemical processing industries
- Pulp and paper mills
- Municipalities
- And many others

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