

NOx type (Wet type reduction/oxidation column)



*NOx gas may be produced by the reaction between metal and nitric acid in processes like silicon wafer cleansing, metal cleansing and precious metal recovery through dissolution in semiconductor.

Features

- ① Reliably maintains a high performance.
 - ② The improved filler achieves quicker treatment.
 - ③ Reduced space requirement (67 % compared with our earlier model) and electricity consumption (63 % of our earlier model).
- *The above comparison with our earlier model is done assuming an airflow of 150 m³/min.

Options for NOx-A

Options	Chemical liquid tank, pump, etc., are available as options.
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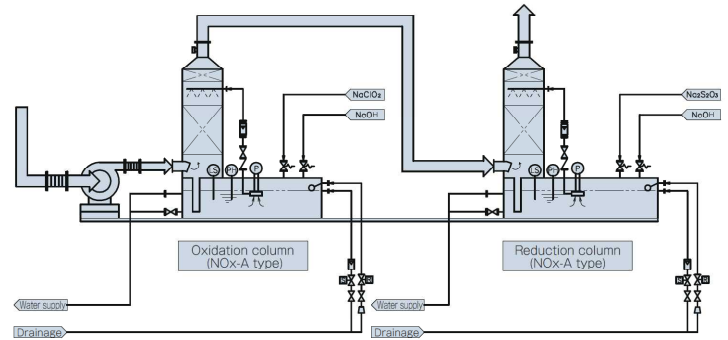
NOx-A type standard common specifications

Standard material	Main unit and circulation tank - FRP; filler - PE (oxidation column) and PP (reduction column); mist catcher - PVC
Standard color	Scrubbing column and tank - Munsell N-7 Blower - Munsell 2.5G6/3
Standard motor	Totally enclosed fan cooled motor for outdoor installation, 200/220 V, 50/60 Hz
Scrubbing column pressure loss	500Pa
Machine noise level	73 to 76 dB (A) (a reference noise level at 1 m from the machine)
Allowable inlet temperature	40°C or lower
Scrubbing column pressure resistance	1500 Pa max.

Flow sheet

Two-column design (oxidation column and reduction column)

Example of NOx removal ratio	
Concentration at the inlet	Concentration at the outlet
1000ppm (NO ₂ /NOX = 0.4~0.8)	150 ppm max.



One-column design (reduction column)

Example of NOx removal ratio	
Concentration at the inlet	Concentration at the outlet
1000ppm (NO ₂ /NOX = 0.8 or more)	150 ppm max.

