

Gas Abatement Systems

EBARA's gas abatement systems (chemical absorption, combustion, catalytic, etc.) are capable of processing gases, including PFC.

Model G5

Model G5 provides flexible effluent gas treatment for general processing and cleaning gases used in the manufacturing operations of semiconductors, LCD panels, solar cells, and LEDs.

Model ○○○○ in this site is our model code



Model G5 is capable of abating the majority of general processing and cleaning gases including PFCs used in the manufacturing operations of semiconductors, LCD panels, solar cells, and LEDs. This compact system automatically removes powdery by-products with on-demand operation, thus achieving reduction in maintenance and running cost.

Features

- High efficient abatement of various material gases such as global warming gases including PFCs
- Low Cost of Ownership by on-demand operation of changing necessary fuel volume due to variety of gases
- High up-time by the feature of removing powdery by-product

Specification Table

Fuel	LNG				LPG			
Basic Model Name	G5-A1	G5-A2	G5-A3	G5-A4	G5-P1	G5-P2	G5-P3	G5-P4
Number of gas inlet port	1	2	3	4	1	2	3	4
abatement type	high performance Burner + high efficiency Wet scrubber							
standard equipment	Burner scraper (for powder removal)							
Max Inflow Gas Volume (L/min)	350							
Dimension (Length×Depth×Height)	1,200×650×1,900mm							
Application	<p>Process (Depo) Gas SiH4、PH3、GeH4、AsH3、NH3、SiH2Cl2、TEOS、WF6、B2H6、H2 etc</p> <p>Cleaning Gas NF3、ClF3、HF、F2、HCl、COF2 etc</p> <p>Etching gas HBr、Cl2、SiCl4、BCl3、CO、C5F8、C4F6 etc</p> <p>PFCs CF4、C2F6、C3F8、CHF3、SF6 etc</p>							