

Semiconductor Gases

3

PurityPlus gas manufacturers are committed to the semiconductor industry with the implementation of our ISO Quality Management Program. From silanes to dopant gases to etchant gases and purge gases, the network of PurityPlus manufactures have implemented the strict SOPs and QA procedures to meet the semiconductor industry demands. The table below outlines the available process gases. For detailed information, please contact the nearest sales office.

PurityPlus gas manufacturers have been supplying electronic grade gases to the semi-conductor industry since its inception. We currently supply bulk hydrogen, nitrogen, argon, and oxygen to many semiconductor manufacturers. We also supply cylinder gases to the exacting demands of this industry. If you have an electronic gas requirement please contact us for pricing and availability.

Silanes	Dopants	Etchants	Purge Gases	Other
Silane - SiH ₄	Arsine - AsH ₃	Chlorine - Cl ₂	Argon - Ar	Ammonia - NH ₃
Dichlorosilane - SiH ₂ Cl ₂	Phosphine - PH ₃	Hydrogen Bromide - HBr	Helium - He	Carbon Dioxide - CO ₂
Disilane - SiH ₆	Boron Trifluoride - BF ₃	Hydrogen Chloride - HCl	Hydrogen - H ₂	Nitrous Oxide - N ₂ O
Silicon Tetrachloride - SiCl ₄		Sulfur Hexafluoride - SF ₆	Nitrogen - N ₂	
Trichlorosilane - SiHCl ₃		Halocarbon 14 - CF ₄	Oxygen - O ₂	
		Halocarbon 22 - CHClF ₂		
		Halocarbon 23 - CHF ₃		
		Halocarbon C318 - C ₄ F ₈		

Recommended Equipment

432 series regulator, see page 4.16