

ABSTRACT

A system and method of integrating gas flow purification components includes an integrated gas diffuser-filter membrane coupled to a bottom side of a gas purifier. The gas first flows through a purifying device that can include a reactive micro matrix located in a cavity within the gas purifier, thus purifying the gas. Next, the gas flows through the integrated diffuser-filter membrane which prevents contaminants from entering a load-lock process chamber.

This Sheet Has Been Replaced

