



GC SPECTRUM XB-17

a 50/50 blend of HS-600* and activated carbon

GC SPECTRUM XB-17 is a blended media of virgin activated carbon and GC HS-600 media. The HS-600 media alone will adequately control a large number of contaminants via adsorption and the oxidation. However, there are applications when the chemical properties of the HS 600 and the adsorbent properties of activated carbon are both necessary for contaminant removal. A common example is where hydrocarbons are present with acidic gases. In this environment, the higher molecular weight hydrocarbons may cause desorption of the lower molecular weight acidic gases and thus limit HS-600's effectiveness.

The following is a partial listing of gases that can be controlled with GC Spectrum XB-17:

<u>SUBSTANCE</u>	<u>REACTIVITY WITH HS-600*</u>	<u>SUBSTANCE</u>	<u>REACTIVITY WITH HS-600</u>
acetic acid	rapidly	isopropanol	rapidly
acrolein	rapidly	methanol	rapidly
allyl chloride	rapidly	methyl acrylate	rapidly
butadiene	slowly	methyl chloroform	rapidly
butyric acid	slowly	methyl ethyl ketone	rapidly
chloroform	rapidly	methyl mercaptan	rapidly
chloropicrin	rapidly	nitrobenzene	slowly
diethylamine	slowly	phenol	rapidly
dimethylamine	rapidly	phosgene	slowly
ethanol	rapidly	pyridine	slowly
ethyl acrylate	slowly	skatole	slowly
hydrochloric acid	rapidly	toluene	slowly
indole	slowly	trichloroethylene	slowly
isoprene	rapidly		

*HS-600 Contains 6% Potassium Permanganate (KMNO4)