



## **GC Sulforsorb**

catalytic activated carbons for H<sub>2</sub>S treatment

**The GC Sulforsorb** series of activated carbon are three grades of carbon that are non-impregnated, wood or bituminous coal-based, activated carbons which have been specially developed for the removal of Hydrogen Sulfide and Sulfur compounds from vapor streams. All are well suited for use in sewage treatment plants and pumping stations where these compounds are typically found. **GC Sulforsorb** carbons give you the high loading rates of impregnated carbons without the thermal risks associated with some chemically treated carbons. In addition, by water washing these products, some of their H<sub>2</sub>S capacity can be restored.

<b><u>Specifications</u></b>	<b><u>GC Sulforsorb-A</u></b>	<b><u>GC Sulforsorb-B</u></b>	<b><u>GC Sulforsorb-C</u></b>
Pellet Diameter, mm:	3.5 – 4.0	3.5 – 4.0	3.5 – 4.0
Moisture, % (as packed) (max.):	15	15	15
CTC, %: (min.)	60	65	60
Hardness, %:	97 min.	90 – 95	95 min.
Apparent Density, lbs./cu.ft.:	27 – 29	31 – 35	34 – 37
g/cc:	0.44 – 0.46	0.50 – 0.56	0.54 – 0.60
Hydrogen sulfide breakthrough Capacity*, gH <sub>2</sub> S/cc carbon (min.):	0.30	0.20	0.10

\*H<sub>2</sub>S capacity is measured using ASTM standard method D6646-01. Testing requires passing a moist air stream containing 1% by volume H<sub>2</sub>S through an appropriately sized column (per ASTM requirements) packed with activated carbon and monitoring to a 50 ppmv H<sub>2</sub>S breakthrough. Results are reported as grams of H<sub>2</sub>S adsorbed per gram of activated carbon. Standard packaging is in 25 or 500 kg. bags. Other packaging is available upon request.

### **Caution!**

*Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Such procedures should comply with all applicable Local, State and Federal guidelines.*