



SulfaTrap™

Taking Sulfur Out of the Equation

PRODUCTS FOR NATURAL GAS

Natural gas, the ubiquitous energy source and the feedstock for a wide range of chemicals, contains a wide range of sulfur compounds. Sulfur degrades process equipment and poisons catalysts used in the chemical synthesis processes. In addition to naturally occurring sulfur, pipeline gas also contains organic sulfur odorant additives. Sulfur speciation in the gas can change from well to well, pipeline to pipeline and season to season. Other compositional changes in heavy hydrocarbons and moisture further complicate the problem.

SulfaTrap™ sorbents remove all naturally occurring sulfur compounds (e.g., H₂S, COS) and organo-sulfur odorants, including sulfides (e.g. dimethyl sulfide, DMS and di- and tri-sulfides,). Mercaptans (e.g., tertiary butyl mercaptan, TBM, thiophenes (e.g., tetrahydro-thiophene, THT), Our sorbents reduce the sulfur concentration to ppbv levels to ensure maximum protection.

We work closely with you to engineer the best solution for your application. Protect your process with the SulfaTrap™ family of sulfur sorbents!

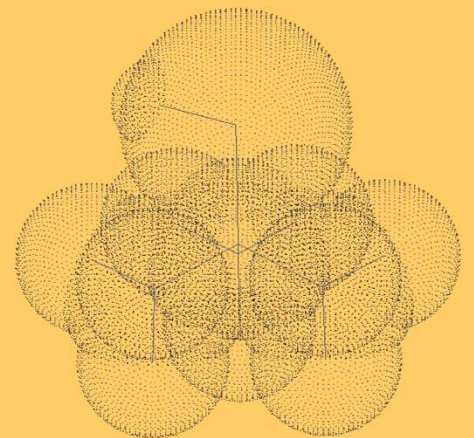


- **Ambient temperature operation**
- **High capacity and removal efficiency for all sulfur species**
 - Up to 35% wt. S uptake
 - Reducing sulfur concentration to less than 5 ppbv
- **Tolerance to heavy hydrocarbons and moisture**
 - SulfaTrap™-R7 series bulk sulfur removal sorbents can work under dry (<100 ppm H₂O) or wet (fully saturated) conditions
 - SulfaTrap™-R2 series ultra-purification sorbents operate in up to 10,000 ppmv H₂O)
- **Easy disposal** - No flammability, toxicity, or pyrophorocity
- **Regenerable** or expendable operation

Product	Application
SulfaTrap™-R2	Moisture-tolerant desulfurization
SulfaTrap™-R5	COS removal
SulfaTrap™-R6/R8	Mercaptan, disulfide, thiophene removal
SulfaTrap™-R7	Bulk H ₂ S removal (dry or wet gas)



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