

SulfaTrap™

Taking Sulfur Out of the Equation

NATURAL GAS DESULFURIZATION

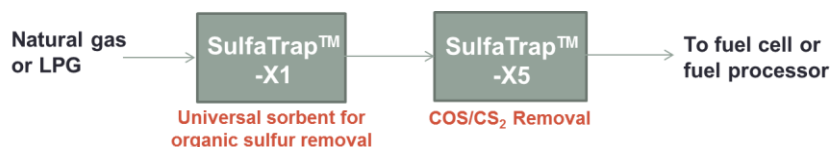
Natural gas, the ubiquitous energy source and the feedstock for a wide range of chemicals, contains a wide range of sulfur compounds. Sulfur degrades process equipment and poisons catalysts used in the chemical synthesis processes. In addition to naturally occurring sulfur, pipeline gas also contains 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.

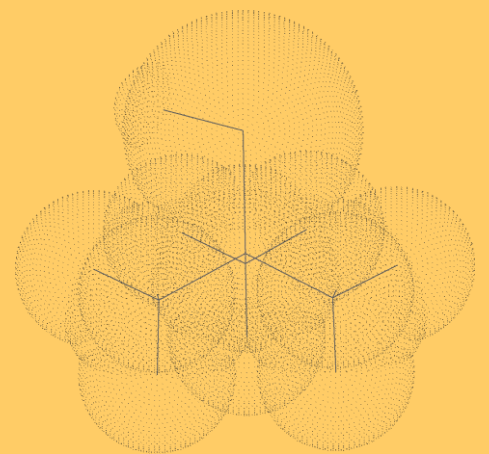
SulfaTrap™-X1 and SulfaTrap™-X5 are the next evolution in sorbent development to remove all naturally occurring sulfur compounds (e.g., H₂S, COS) and organo-sulfur odorants, including sulfides (e.g. dimethyl sulfide, DMS and di- and tri-sulfides,). Mercaptans (e.g., tertiary butyl mercaptan, TBM, thiophenes (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 yourself with the SulfaTrap™ family of sulfur sorbents!



- **Ambient temperature operation**
- **High capacity and removal efficiency for all sulfur species**
 - Reducing sulfur concentration to less than 5 ppbv
 - Improved capacity – a 100mL cartridge (shown above) can desulfurize >45,000CF of natural gas
- **Easy disposal** - No flammability, toxicity or pyrophoricity
 - Can be incinerated for metals recovery – no waste!
- **Easy change-out** - Cartridge-based systems, for periodic maintenance replacement, 1 to 15 year options





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