

## Mercury Removal from Natural Gas

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**Abstract:** Major importance of mercury removal from natural gas by means of sulphur impregnated activated carbon, as well as the imperative to protect the environment and ensure safe operation of process units, require the highest level of efficiency, along with permanent improvement and enhancement of technological procedure.

Key function of such enhancement is the reliable prediction of process characteristics and performances based on process stream composition, adsorbent properties and the flow diagram (system properties and operating conditions). Research of this kind, carried out under actual process conditions and focused on process supervision and control can greatly assist in achieving this objective.

In the past ten years, the process of the mercury removal from natural gas, based on mercury adsorption on a special active sulphur-impregnated coal has been studied.

**Key words:** mercury, Activated Carbon, Natural Gas