



**Case story #5**

<b>INDUSTRY</b>	INCINERATION PLANT
<b>MEDIA – COND</b>	INCINERATOR GAS + SO <sub>x</sub> 300-400°C
<b>MATERIALS</b>	GT CARB / GT KELITE
<b>EQUIPMENT</b>	GAS SCRUBBER
<b>YEAR</b>	2014

A Dutch and Chinese JV engineering company supply gas treatment equipment for industries. The gas mainly composed of water vapor (30,000 m<sup>3</sup>/h) go out of the incinerator through a scrubber. The scrubber content several weak sulfuric acid spray.

The graphite scrubber is mounted on the top of a PTFE lined tank which receive the weak acid sprayed inside the scrubber.

Due to high temperature of gas GT proposed to manufacture the inlet of the scrubber with GT-CARB material able to withstand temperature up to 450°C in air. The lower graphite components already cooled thanks to sulfuric acid spray flow, with a temperature of maximum 100°C, are made of GT-KELITE grade.

The scrubber has a special design given by the customer and is cooled down by a water jacket circulation.

GT assembled and tested the equipment already assembled with the Hastelloy lined top mounted part.

The equipment was manufacture in 3 months and give satisfaction to customer so far.





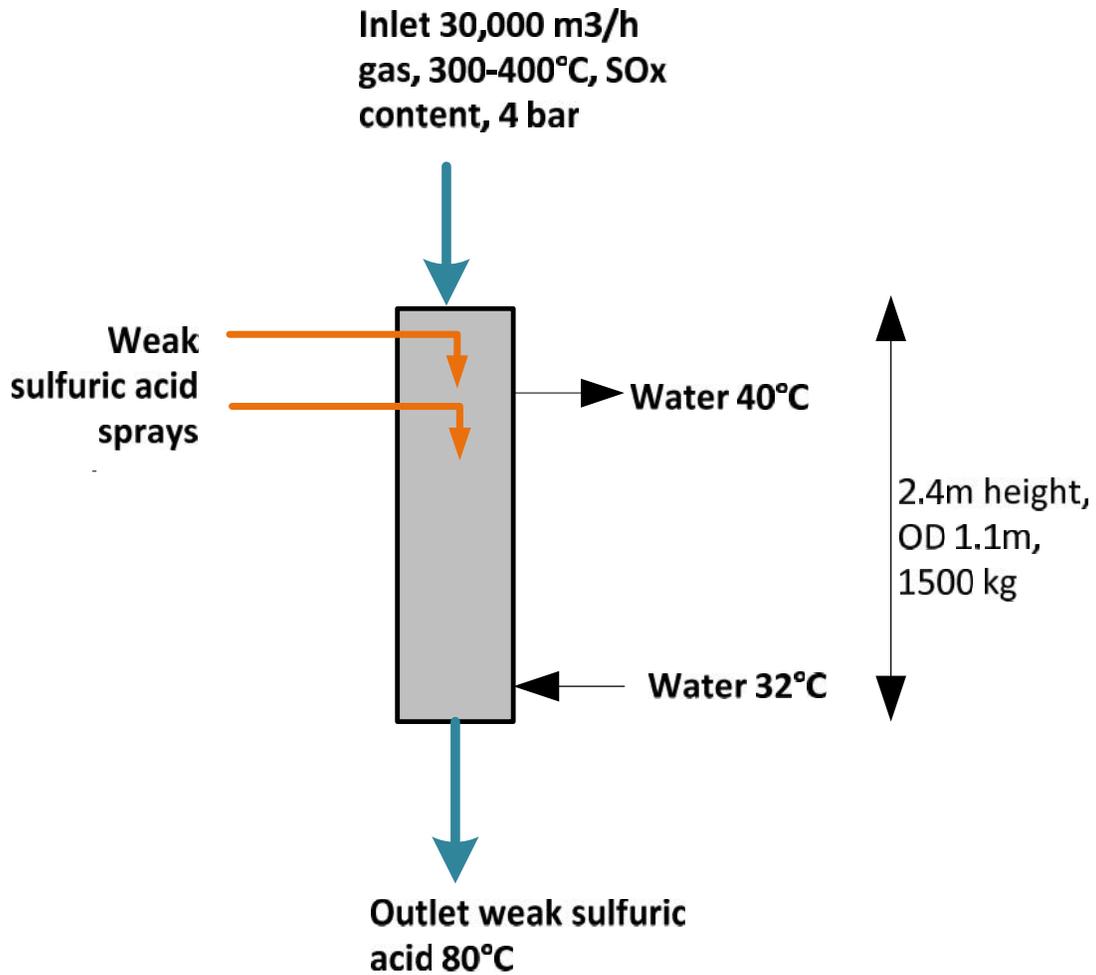
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**Sketch principle**



Graphite Technology manufactures a wide range of equipment with a wide range of graphite materials for all chemical processes industries.

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