



# SAFI Experience Sheet

Application / Segment :	Gas Scrubber
Name of project :	Rütgers
Location :	Castrop Rauxel / Germany
Date :	14.01.2015
Order reference :	

## 1/ Installations Complexity :

*Our customer GEA Wiegand / Ettlingen made the engineering of a gas scrubber for the company Rütgers. The problem is the use, in the scrubber, of sulfuric acid 90% at 40 – 50°C and until 4 bar pressure. This scrubber has been built in 2013 and our valves are there in use for 2 years.*

## 2/ Description of the Installations:

*Gas coming from the production with high temperature (160°C) has to be cleaned before it could be rejected in the atmosphere. During the cleaning process, H<sub>2</sub>SO<sub>4</sub> is regained. This is the application field for the SAFI PVDF Ball valves*

## 3/ Pictures

*SAFI has to replace 2 ball valves (problem of actuation) in this process. This was the reason we could get these pictures.*





The gas scrubber



SAFI ball valves





Pressure !





The two actuated valves have to be replaced. Liquids here: nitrogen and sulfuric acid in lower concentration.



