



Huyglas[®] from Air Purator Corp.

Case History: Titanium Dioxide Manufacturing

INTRODUCTION: Huyglas[®] is ideally suited to withstand the harsh environment of collection of very abrasive particles. It efficiently captures very fine particles, reducing production losses. Huyglas[®] is also very durable and able to operate at 550° F continuously with excursions to 600° F.

PROBLEM: A titanium dioxide manufacturer in Europe experienced extremely short bag life and lower collection efficiency using Teflon[®] felt bags. Frequent manufacturing interruptions to replace the bags and media inefficiency contributed heavily to lower revenue earnings at the facility. Huyglas[®] bags were tested at the facility side by side with the existing media to determine if there was a difference in performance.

SOLUTION: Huyglas[®] filter bags provided significantly better filtration performance and lasted more than twice as long as the Teflon[®] felt bags. The company realized a cost savings of 40% just by changing media as well as realizing additional significant cost savings by reducing downtime and increasing the efficiency of product collection. Huyglas[®] was chosen over other materials for the following reasons:

- Excellent filtration efficiency
- Longer bag life/good durability
- Ability to operate at temperatures of 550° F and to handle excursions to 600° F
- Cost savings versus incumbent media

For more information on specific applications of Huyglas[®], please contact APC.