

Venturi throat position indicators and personnel protection mesh screen (touch temperature)



PROJECT DETAILS

Client: Dow Corning

Site: UK

Application:

- Particulate removal from catalyst quench dump tank vent gas
- 99.5% removal of $>3\mu\text{m}$ particulate
- Gas flowrate: $41,000 \text{ Nm}^3/\text{hr}$
- Gas: H_2 and water vapour

Equipment and design scope:

- Variable throat venturi, 316SS, ASME VIII Div 1, with pneumatic actuator
- Cyclonic separator vessel with integral sump and droplet eliminator, discharge stack and platforms, carbon steel, ASME VIII, Div 1, 10 barg
- Package basic design: pumps, pipework, instruments

Year delivered: 2010



Venturi throat pneumatic actuator: provides automatic position adjustment for varying gas flowrate



Venturi outlet: tangential inlet to cyclonic separator vessel

