

Petrochemical, Crude Oil Refinery

Catalyst Recovery, India

Industry Sector:	Petrochemical
Application:	Catalyst Recovery - Pulse Jet Blow-Down
Products:	Sinterflo® F Sintered Metal Fibre Filters and Pulse Jet Blow-Down System
Primary Motive:	Enhance plant efficiency, cost reduction
Location:	Asia
Project Date:	August 2015



Customer Overview:

The Refinery had a production capacity of 9.5 million metric tonnes a year, and intended to increase to 15.5 million metric tonnes a year by 2018.

Customer's Problem:

The equipment was required as part of the refinery's integrated expansion project, which is designed to lift the refinery's crude processing capacity significantly up until 2018.

Porvair Solution:

Porvair Filtration Group supplied Sinterflo® F sintered metal fibre filters as part of a pulse jet blow-down system, to provide effective emission control to help the site achieve its environmental requirements of less than 50mg/Nm³ particulate emissions.

Project Overview:

By the end of 2015, Porvair Filtration Group delivered and installed components for the pulse jet blow-down systems, used for recovering and containing catalyst fines.

The system components include spent and fresh hopper vessels, pulse jet valves and reservoir, tube sheets and a control system for use with a timer or differential pressure transmitter.

The Sinterflo® F sintered metal fibre filters were designed to be easily cleanable on site and only require

inspection or maintenance during annual shutdown.

Their performance is maintained using a filter configuration and cleaning control system that ensures smooth and consistent operation.

Product and System Information:

- Pulse Jet Blow-down System
- Sinterflo® F Sintered Metal Fibre Filters

Other Opportunities:

Global Refineries

