

ARRANGEMENTS FOR REMOVING ENTRAINED CATALYST PARTICULATES FROM A GAS

ABSTRACT

An arrangement for removing entrained catalyst particulates from a gas may include a pressure vessel, a filter assembly, and a dip leg. The pressure vessel may contain a fluidized bed of catalyst particulates suspended in the gas. Some of the gas and entrained catalyst particulates may be directed to the filter assembly where the entrained catalyst particulates are filtered from the gas by a filter medium. The catalyst particulates pass generally tangentially along a feed side of the filter medium, where they scour the feed side of the filter medium, and then pass into the dip tube which guides the catalyst particulates away from the filter medium.

Figure 1