

VMG



Inside VMG | March 2014



Tail Gas Incineration: A Dirty Job, But Someone Has to Do It

by Raul Cota

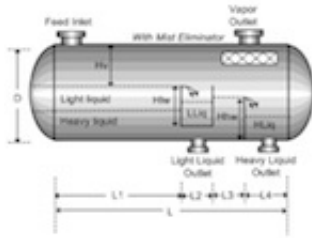
The Direct Fired Heater in VMGSim offers a wide variety of options to quickly model combustion systems, including gas incinerators. For example, it lets you directly specify the outlet temperature and oxygen concentration and automatically back-calculates the fuel and airflows. This unit operation was designed for Claus plant applications but it can be used with any property package. The following article describes the capabilities in VMGSim to model a thermal incinerator from a sulfur plant.

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Changing Feed Conditions With a Case Study to See Separator Sizing Results

by Linnea Staudt



There are a few new features to the preliminary Sizing Utility for Separators in VMGSim 8. One of the key additions is the Auto-Run feature, which automatically calculates the size of the separator. In previous versions of VMGSim, users would "Run" to size the separator with the current input conditions, regardless of whether those conditions came from the separator in the flowsheet or were user specified inside of the sizing utility. Now, with VMGSim 8.0, users can choose to have the Auto-Run feature on for user-specified process variables.

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