

FCC Main Fractionator Coking

One common cause for coking is poor vapor distribution.

Packing selection in the Slurry P/A section is critical to ensure good distribution and reliable performance.

Mellagrid™

- Mellagrid™ combines the performance of Mellapak™ with the robustness of traditional grid
- Resists coking and fouling due to its smooth surface and geometrical structure
- Better de-entrainment and separation efficiency than traditional grid
- Efficient dissipation of temperature
- Excellent mechanical strength



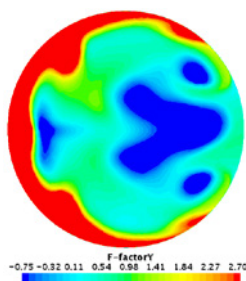
Mellagrid™ packing

CFD Analysis

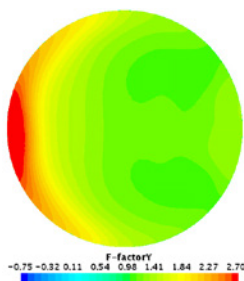
- Identical feeds show superior vapor distribution characteristics of Mellagrid versus conventional grid packings. Images are from within the packed bed (as measured from the bottom).
- F-factor distribution of Mellagrid was found to be 3 times better than traditional grid.
- Mellagrid has proven to be more reliable in severe fouling services due to its more uniform vapor distribution and high mechanical strength.

Traditional grid

After 1st layer

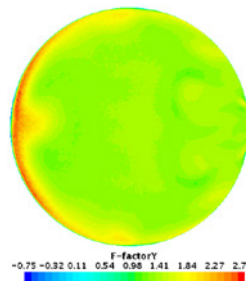


After 4th layer

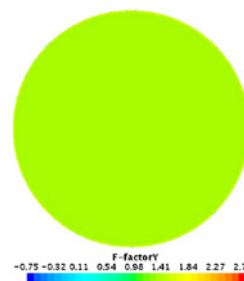


Mellagrid™

After 1st layer



After 4th layer



For more information, please contact your local Sulzer Chemtech sales representative

www.sulzer.com

E10682 en 9.2020, Copyright © Sulzer Ltd 2020

This brochure is a general product presentation. It does not provide any warranty or guarantee of any kind. Please, contact us for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.