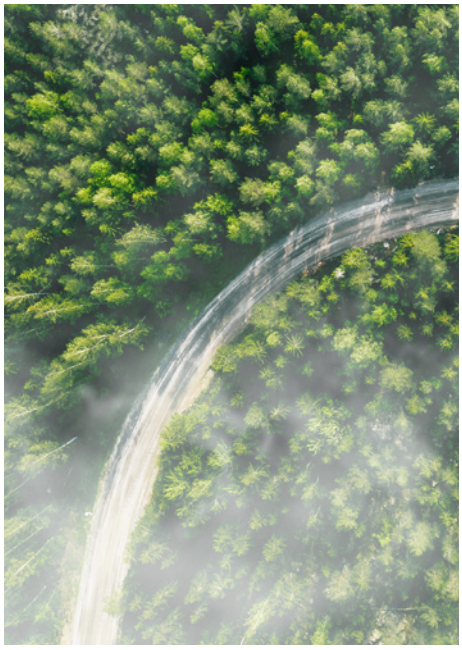
SULZER

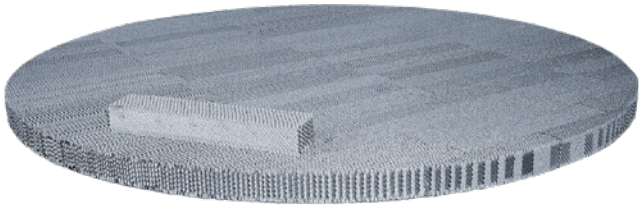
# MellapakCC™

## The structured packing family for carbon capture



**Leading packing family for $CO_2$ absorption from atmospheric to high pressure applications**

**With fundamental understanding of mass transfer and reaction kinetics in $CO_2$ chemisorption, Sulzer has developed the MellapakCC™ structured packing family to address various challenges faced in carbon capture applications, whether the $CO_2$ source is a post-combustion flue gas at atmospheric pressure or a process stream at high pressure.**



### Proven track record

MellapakCC has been selected to equip more than 15 industrial post-combustion carbon capture facilities worldwide, including towers exceeding 17 m in equivalent diameter. Collectively, these installations provide an annual capture capacity exceeding 6 million tons of $CO_2$. Major facilities such as Boundary Dam (Canada) and Net Zero Teesside Power (United Kingdom) rely on Sulzer's MellapakCC product solutions.

### Key benefits

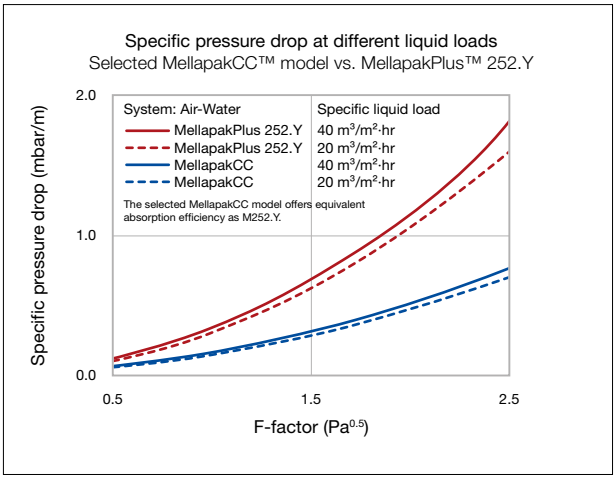
- Optimum separation performance at the lowest possible pressure drop.
- Reduce pressure drop in $CO_2$ absorber up to 60% as compared to conventional structured packings.
- Significant savings on both CAPEX and OPEX.
- Advanced MellaTech™ column internals technology for optimum column performance.

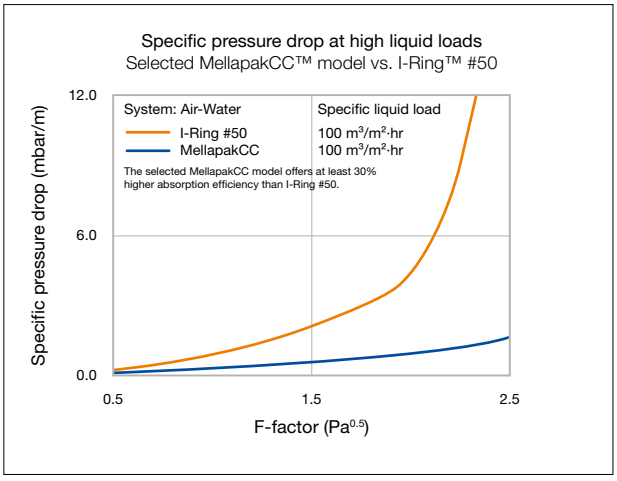
## Post-combustion carbon capture

The MellapakCC packing family offers significantly lower pressure drop while maintaining or improving absorption efficiency, compared to conventional packing types commonly used in post-combustion carbon capture.

## High pressure carbon capture

In $CO_2$ absorbers operating at high pressure (e.g. in fertilizer plant), MellapakCC offers phenomenal improvement in both efficiency and capacity compared to commonly used random packings.




Contact your nearest Sulzer representatives to discover the benefits MellapakCC can bring for your plant.

**How can we help you?**
**Contact us today to find your best solution.**

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