



HONEYCOMB CALANDRIA

For High-Performance Vacuum Pan Operation

Engineered to maximize heat transfer, optimize flow and increase output – for efficient, reliable and sustainable sugar production.

Key Benefits



Increased heating surface



Reduced steam demand for cleaning



Homogeneous massecuite flow and crystal growth



Significantly reduced deposit areas



Improved heat transfer efficiency and temperature uniformity



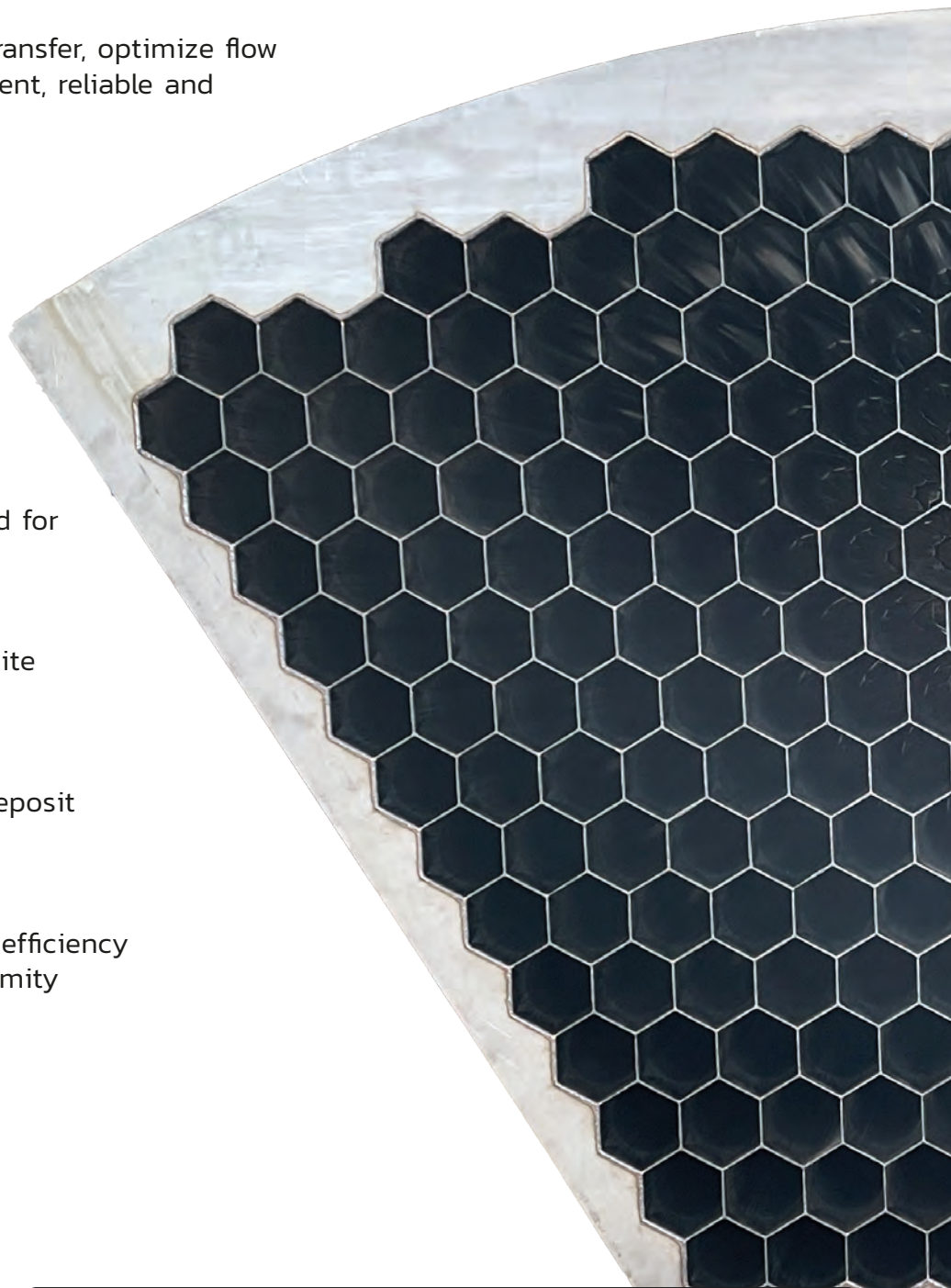
Lower cost than tube sheet replacement



Fast and simple installation



Worldwide proven technology



+30 %

Heating Surface Increase*

-70 %

Cleaning Steam Consumption*

300+

Installations Worldwide

*Compared to conventional tubular calandria designs





BEFORE – Conventional Tubular Calandria



- ✗ Large crystal deposit area
- ✗ Dead zones between tubes
- ✗ Irregular massecuite flow
- ✗ Reduced heat transfer efficiency
- ✗ High steam demand for cleaning

AFTER – Honeycomb Calandria



- ✓ Homogeneous massecuite flow
- ✓ Minimal crystal deposit area
- ✓ Maximum heat transfer
- ✓ Minimum lifetime costs
- ✓ Manufactured in INOX

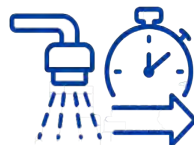
Designed for Long-Term Efficiency & Sustainability



**Lower Energy
Consumption**



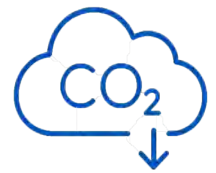
**Reduced Water
& Chemical Usage**



**Shorter
Cleaning Time**



**Reduced
Maintenance Effort**



**Lower CO₂
Emissions**

Customized. Proven. Reliable.

- ✓ Retrofit and new build solutions
- ✓ Engineered for a better performance
- ✓ 40+ years of experience



Buckau-Wolf
your partner for efficient
sugar production

For more than a century, Buckau-Wolf has been a trusted partner to the global sugar industry, delivering innovative solutions that enhance performance, reduce operating costs and drive sustainability.

