

# Solve your hydrocarbons emissions at the lowest costs



Keep the environment clean when combusting your waste gases

- No luminous flame
- No odour
- No heat
- No smoke
- Low height
- Small footprint

**Achievable emissions levels:**

- NOx < 15 ppm
- CO < 10 ppm
- CxHy < 10 ppm

**Combustion efficiency:**

99,99% over full operational range

With Bekaert CEB® vapor combustor, treat **effectively** all your hydrocarbons vapor and/or gases at the **lowest investment and operational costs**.

Typical applications for CEB® vapor combustor are:

- Truck and rail car loading/unloading
- Barge and ship loading/unloading
- Storage tank transfer and breathing
- Barge and tank degassing
- Reactors, dryers and other process vents
- Pipeline stations and maintenance

CEB® is a product of

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Bekaert CEB<sup>®</sup> vapor combustor can handle most hydrocarbons vapors and gases in one same equipment without modification allowing you a very high flexibility with only one equipment. So all your vapors and gases streams from your tanks or terminal are handled in one and same unit, regardless of the hydrocarbons loaded or unloaded. Most chemical products can also be handled by the CEB<sup>®</sup> vapor combustor.



Emission regulations are not an issue anymore since the Bekaert CEB<sup>®</sup> combustors generate the highest destruction efficiency and the lowest emissions achievable, lower than any regulations requires it today.



More important than anything, this is all achieved at the lowest investment and operational costs. Indeed, the Bekaert CEB<sup>®</sup> combustors only need a caloric content of vapors or gases of 6 MJ/Nm<sup>3</sup>. The system regulates itself the amount of make up or fuel gas needed to be mixed with your vapors continuously to assure the leanest consumption. Thanks to possibilities of staging on the bigger units, turn down ratios as high as 1/40 are also achieved, meaning that a real wide range of flows can be handle by one same unit.



Beside that, you do not even need a lot of land to install your CEB<sup>®</sup> on our existing facility. The CEB<sup>®</sup> combustors are very compact and do not generate any heat radiation to the surroundings. This allows you to install it where some little space is left, even if close to other equipment, even tanks.

Bekaert CEB<sup>®</sup> Technologies can deliver you complete systems including vapors shut down valves, flame arrestors, gas trains for make up gas and pilot gas, etc ...