

Flaring Services



Bekaert CEB® Technologies owns and operates the largest specialized flaring fleet in Europe.

Our current fleet of 18 CEB® flaring units, with a combined thermal capacity of 685 MWth, is dedicated to the efficient and effective destruction of harmful and dangerous gasses and vapours.

We offer our specialized services amongst others to:

- On-shore oil and gas industry: upstream exploration drilling, well testing, production phase
- Natural gas (transit) transport pipe lines: pressure relief, preparing for repair-maintenance
- General pipe lines: pressure relief, destruction of gasses during cleaning/flushing/preparation for repair-maintenance
- Tank parks: destruction of gas/vapour during cleaning operations
- (Petro-) chemical industry: destruction of gas/vapour during reactor cleaning
- General: temporarily placing/increase of flaring capacity

The advantage of using our flaring services:

- Active in all countries of the E.U.
- Highly specialized flaring technology
- Experienced and well trained engineers/operators
- Professional and flexible approach
- Short rig-up/rig-down time
- One-stop-shop, independent execution of flaring activities

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

Bekaert CEB Technologies

Flaring Services

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CEB® System / Technology landmarks:

- Processing of a large range of gasses and vapours, also mixed
- Highest possible destruction rate (99,99%)
No harmful/dangerous traces, no sooth, no odour / smell
- Low presence profile:
No visible flame, very low noise level,
No heat radiation, low overall height
- Full acceptance of in-process changes of:
Flow, gas composition, caloric value
- Lean gas processing (down to 5 MJ/Nm³ = 12% M.E.)
Lowest requirement of support gasses
- Very short reaction time:
From stand-by to full operational in less than 1 minute
- High turn-down ratio, better than 1:10
- Very low emission levels within the operating range:
CO < 10 ppm
NOx < 15 ppm
CxHy < 10 ppm
- Gasses and vapours need to be free of liquids and particles

Bekaert CEB® flaring systems:

- General:
Inlet pressure range:
100 Bar(g) - 25 mbar(g), system and gas depending
- Bekaert CEB 4500:
Thermal capacity: 45 MWth
High pressure, input range 1 - 8 bar(g)
Max. flow per hour based on 39,8 MJ/Nm³ (Methane): 4170 Nm³/hour*
Min. flow per hour based on 39,8 MJ/Nm³ (Methane): 417 Nm³/hour*
Passive system
- Bekaert CEB 350:
Thermal capacity: 3,5 MWth
Low pressure, input range 20 - 200 mbar(g)
Max. flow per hour based on 39,8 MJ/Nm³ (Methane): 317 Nm³/hour*
Min. flow per hour based on 39,8 MJ/Nm³ (Methane): 32 Nm³/hour*
Active system
- Average nominal data per operation:
Thermal capacity: 138,5 MWth
Max. flow per hour based on 39,8 MJ/Nm³ (Methane): 12827 Nm³/hour*



* in case of gas with higher caloric value the max. flow will be equal lower
in case of gas with lower caloric value the max. flow will be equal higher