

What we have to offer

Bekaert is a worldwide leader in selected applications of its two core competences: advanced metal transformation and advanced materials and coatings. Bekaert aims to consolidate its position as both market and technological leader around the world in solutions for heating, non contact drying, flaring and other industrial applications.

Always close by

Companies all over the globe benefit from Bekaert's know how. We are eager to understand your situation and processes. We see this as a pre-condition for building close partnerships that result in solutions that work for your company.

We are committed to being a valuable partner in providing products and solutions tailored to your needs. Bekaert has 23.000 employees worldwide that are committed to earning the trust of our partners in over 120 countries. With our global network, we are able to meet your needs perfectly.

Imagine what we could do together

Your demands stimulate our urge to innovate. As a result Bekaert puts great effort into developing new products. This results in the constant renewal and extension of our product portfolio. Most of these developments stem from the longterm partnerships and co-operation that typify the relationship with our customers.

Supported by our specialists and researchers from the technology centre, we want to work with you to develop new products and applications. With one goal in mind: improve your processes to reduce your total costs and ensure your products enjoy superior properties.

How can your company benefit exclusively from Bekaert's leading experience in the combustion technology?

This brochure explains that Bekaert Combustion Technology B.V. offers you tailor-made solutions for a wide range of applications based on extensive combustion expertise. These solutions enable your company to access new markets and consolidate your position with your existing customer-base. Our specialists are at your side to advise you, so please contact your local contacts who are close to your business.

For more information, please visit our website:

www.bekaert.com/heating

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Environmental clean heating solutions that fuel your business



A passion for perfection

Bekaert Combustion Technology

Developing the best combustion solutions tailored to your business demands is a matter of finding a balanced combination of all the right properties. In order to do so, one needs to rely on a reliable and experienced partner who knows what it takes. Bekaert Combustion Technology has all the right qualities to be that partner.

We offer a wide range of specialized heating products for residential, commercial and industrial applications based on extensive combustion expertise. Bekaert Combustion Technology maintains its technological leadership through a process of continuous innovation. Our technology centres consist of many experts who actively search for new or improved products in close cooperation with our customers.

Gas burners

Bekaert Combustion Technology has developed and produced a range of high performing metallic surface gas burners. We offer your company the knowledge and technology to co-develop all gas burner solutions, whatever your specific applications.

As it develops state of the art technology, Bekaert Combustion Technology is the preferred supplier of premix burners for all major boiler and water heater OEM's in Europe and in the USA. Bekaert Combustion Technology is eager to co-develop environmentally clean and durable burners that fuel your business!

Heat exchangers

A core business of Bekaert Combustion Technology is the development and production of condensing aluminium heat exchangers. In the past our team has already designed more than 50 heat exchangers for famous boiler OEM's.

We are a solid organisation where you can buy a gas burner as well as a heat exchanger. So we offer you complete heat cells including the key components. To give you the best service and quality we have a modern, state of the art lab and production facility. Supported by our specialists and researchers we want to work with you to develop new products and applications.

Would you like to find out how you can benefit exclusively from Bekaert's leading experience in the combustion technology? Find your local Bekaert specialist on the address page on the back of this brochure or send an e-mail to bct@bekaert.com to discuss the possibilities.

Combustion solutions tailored to your demands

Furipat®: refractory steel cylindrical premix burner

- Bekaert is the inventor of the Furipat® gas burner technology
- For use in high efficiency/condensing residential applications
- Compatible with boilers with round combustion chambers
- Can be made in a large variation of sizes
- A life expectancy of more than 20.000 hours and 500.000 heat cycles
- The power level can reach up to 200 kW
- NOx and CO emission levels are less than 50mg/kWh
- Modulation range of 1 to 20 kW/dm²



Aconit®: cylindrical or flat premix burner

- Compact and solid premix burner
- For use in residential, commercial and industrial applications
- Equipped with the Bekaert Bekinit® material which has exceptional performance in flame stability and heat insulation
- Applicable in combination with all types of heat exchangers
- Can reach a power level up to 2.5 MW (bigger sizes available on request)
- NOx and CO emission levels are less than 50mg/kWh
- Modulation range of 1 to 22 kW/dm²



Furinit®: the most compact premix gas burner

- Compact gas burner and adaptable to each boiler
- Equipped with Bekaert Bekinit® material which creates a unique concept with exceptional specific loading and good flame stability
- Applicable with all your types of combustion chambers, either flat or round
- High power level that can reach up to 1 MW and beyond
- Standardization: 1 burner for all output ranges up to 40 kW
- NOx and CO emission levels are less than 50mg/kWh
- High modulation range of 1 to 80 kW/dm²



Duonit®: compact cylindrical burner with a round head

- Our newest innovation that has many size and shape options
- Equipped with Bekaert Bekinit® material which has superior properties over any other burner surface material
- Reduces significantly the height of the burner relative to the length of the combustion chamber
- Power level that can reach up to 1 MW
- NOx and CO emission levels are less than 50mg/kWh
- High modulation range of 1 to 35 kW/dm²



Excellent consistent quality and global presence

Alustar: compact condensing aluminium heat exchanger

- Compact and lightweight heat exchanger
- Designed for domestic applications
- It has a top quality design and can be produced in mass production
- Made out of aluminium, a very reliable material which has been used in the boiler market for more than 35 years
- Water channels in full serial water flow
- The Alustar heat cells are equipped with Aconit® or Furipat® burners
- Available in capacities of 28 kW, 35 kW and 46 kW



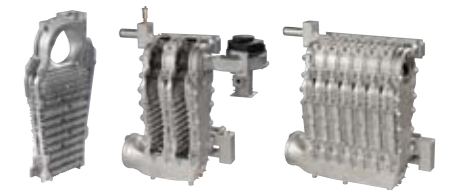
Alucento: small commercial condensing heat exchanger

- Reliable robust design
- Designed for small commercial applications
- Uniform heat transfer through the optimized flue and water geometry
- Made out of aluminium which is most reliable and offers high heat conductivity properties
- Requires little maintenance, saving you considerable time and money
- The Alucento heat cells are supplied with a flat Furinit® gas burner
- Available in capacities of 60, 90 and 120 kW



WTB: commercial condensing heat exchanger

- Top quality design for long lasting operation
- Designed for commercial applications
- The material used is aluminium which naturally generates a protective oxide coating leading to good anti-corrosion properties
- Competitive pricing through innovative casting technology
- The WTB heat cells are equipped with a round Aconit® burner
- Available as heat engine only or as a complete assembled and tested boiler
- Available in capacities of 80, 120, 160, 200, 240 and 280 kW



Alucom: large commercial condensing heat exchanger

- Designed for large commercial applications
- Made from aluminium which has eight times the heat transfer coefficient of stainless steel, resulting in a very high efficiency
- It only needs one cylindrical burner and one fan
- Multiple possibilities to connect flow and return
- The Alucom heat cells are equipped with round Aconit® burners
- Available in capacities of 320, 395, 470, 545 and 620 kW

