

## Alucento: small commercial condensing heat exchanger



### Application

Thanks to our extensive experience, Bekaert has developed a high quality heat exchanger series, called the Alucento. The material used for this heat exchanger is aluminium. It is most reliable and offers high heat conductivity properties. The Alucento heat cells are supplied with a flat Furinit® gas burner and are available in capacities of 60, 90 and 120 kW.



## Discover our Alucento series

Supported by our specialists and researchers from the technology centers, we develop new products and applications. This results in the constant renewal and extension of our product portfolio. Bekaert controls the quality of its products from the beginning until the end. This total quality control allows us to provide you with outstanding quality products, which leads to one common goal: improve our processes to reduce our clients' total costs, and ensure your products enjoy superior properties.

Alucento is one of the latest innovations of Bekaert Combustion Technology.

### Benefits

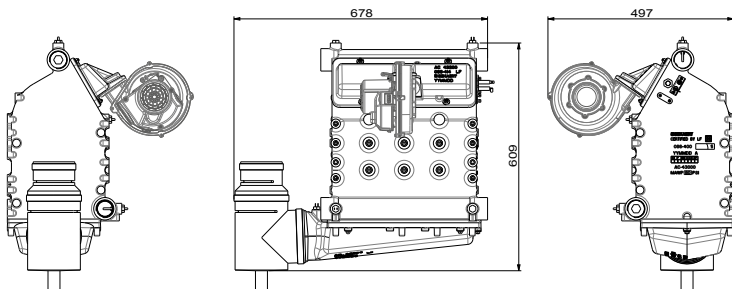
- Requires little maintenance, saving you considerable time and money
- Efficient heat transfer leading to energy saving
- Competitive pricing through innovative casting technology
- Compact heat exchanger resulting in a small footprint

### Specifications

- Reliable robust design, based on proven technology
- The modular design provides capacities of 60 up to 120 kW
- Low water content
- Low hydraulic pressure drop
- Low emissions
- A fully water cooled combustion chamber; requiring no ceramic insulation
- Uniform heat transfer through optimized flue and water geometry
- Aluminium material; good anti corrosion properties, high heat conductivity, low weight
- Multiple possibilities to connect flow and return
- High ionisation signal over whole modulating range

	Alucento 60	Alucento 90	Alucento 120
Nominal input max load (kW)	60	90	120
Nominal input max load BtU	230.000	340.000	455.000
Modulation level	1:5	1:5	1:5
Efficiency 30% load 80/60 (%) *	108	108	108
Operating pressure (bar)	0,8 - 4	0,8 - 4	0,8 - 4
Efficiency EEC 92/42	****	****	****
Flue connection Ø (mm)	100	100	130

\* values are estimated



### Alucento® is a product of:

#### Europe

Bekaert Combustion Technology B.V.  
J.C. van Markenstraat 19  
9403 AR Assen  
The Netherlands  
T +31 592 345 145  
F +31 592 345 483  
bct@bekaert.com

#### USA

Bekaert Combustion Technology  
1395 S. Marietta Parkway  
Building 700, Suite 708  
Marietta GA 30067  
USA  
T +1 770 514 2273  
F +1 770 423 9181  
bct-us@bekaert.com

#### Asia

Bekaert Korea Ltd.  
3rd Floor Changwoo Building,  
#553 Dogok-Dong, Kangnam-Ku,  
Seoul, 135-270  
South Korea  
T +82 2 539 8762  
F +82 2 539 8780  
jan.chun@bekaert.co.kr

Bekaert Management (Shanghai) Co., Ltd  
17F, Block E, Waterfront Palace, No. 31  
Lane 168, Daduhe Road  
Shanghai 200062, P.R.  
China  
T +86 2122 1971 03  
F +86 2122 1971 00  
xing.fan@bekaert.com

Bekaert Japan Co., Ltd.  
3F, 2-27-10, Hatchobori, Chuo-ku  
Tokyo 104-0032  
Japan  
T +81 3 5542 7624  
F +81 3 5542 7771  
takeshi.masu@bekaert.com

#### Modifications reserved.

All details describe our products in general form only. For ordering and design only use official specifications and documents. Unless otherwise indicated, all trademarks mentioned in this brochure are registered trademarks of NV Bekaert SA or its subsidiaries. ©Bekaert 2011