

Alucom: large commercial condensing heat exchanger



Application

Discover Bekaert's new line of condensing heat exchangers for large commercial applications! The Alucom has a reliable robust sectional casting design, based on proven technology. The material used is aluminium, it is most reliable and offers high heat conductivity properties. This results in a very high efficiency. The Alucom heat cells are equipped with Bekaert's round Aconit® burners and are available in capacities of 320, 395, 470, 545 and 620 kW. The result for you is top quality for a long lasting operation.



Discover our Alucom series

A core business of Bekaert Combustion Technology is the development and production of condensing aluminium heat exchangers. 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. Supported by our specialists and researchers we want to work with you to develop new products and applications.

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

Benefits

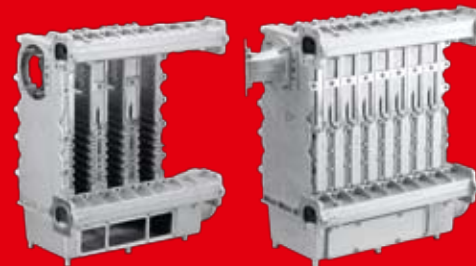
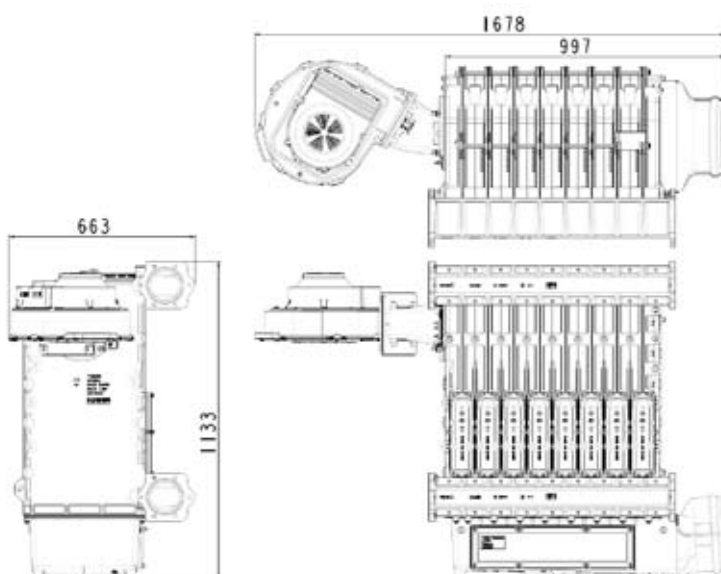
- Heat exchanger needs only 1 cylindrical burner and 1 fan
- Low hydraulic pressure drop which leads to lower electrical consumption
- Compact heat exchanger resulting in small footprint
- Made from aluminium which has eight times the heat transfer coefficient of stainless steel, resulting in a very high efficiency

Specifications

- Reliable robust design, based on proven technology
- A fully water cooled combustion chamber; requiring no ceramic insulation
- The modular design provides capacities of 320 up to 620 kW
- Uniform heat transfer through optimized flue and water geometry
- Multiple possibilities to connect flow and return
- Alternative burner hoods are optional
- Compact design
- Low emissions
- Low hydraulic pressure drop
- The Alucom heat cells are equipped with round Aconit® burners

	Alucom 320	Alucom 395	Alucom 470	Alucom 545	Alucom 620
Nominal input max load (kW)	320	395	470	545	620
Nominal input min load (MBTU)	1.20	1.50	1.75	2.05	2.35
Modulation level	1:5	1:5	1:5	1:5	1:5
Efficiency 30% load 36/30 °C (%) *	108	108	108	108	108
Operating pressure (bar)	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6
Flue connection (mm)	250	250	250	250	250

* values are estimated



Alucom® 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

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