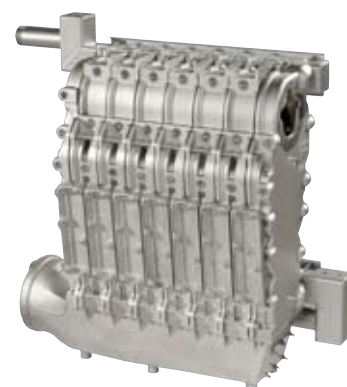


WTB series: commercial condensing heat exchanger



Application

Bekaert has developed a new line of condensing heat exchangers. One of them is the WTB, top quality design for long lasting operation. It has a modular design concept which means that the heat exchangers are available in capacities of 80, 120, 160, 200, 240 and 280 kW. The material used is aluminium, which has superior heat conductivity properties (8 times better than stainless steel). Aluminium is a reliable material and has been used in the boiler market for over 35 years.



Discover our WTB 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.

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

Benefits

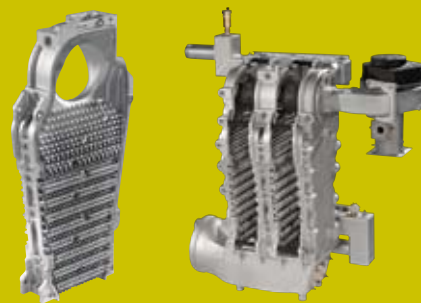
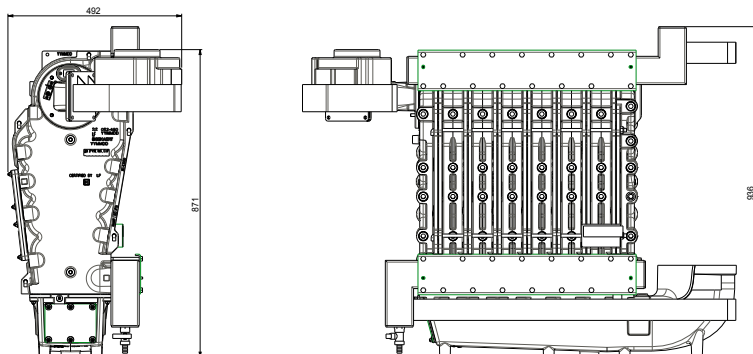
- Competitive pricing through innovative casting technology
- A fully water cooled combustion chamber; requiring no ceramic insulation
- Compact heat exchanger resulting in a small footprint
- Easy access on all sides for maintenance
- Benefit from reliable robust design, based on proven technology
- Heat exchanger needs only 1 cylindrical burner and 1 fan

Specifications

- 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

	WTB 80-3	WTB 120-4	WTB 160-5	WTB 200-6	WTB 240-7	WTB 280-8
Nominal input max load 9 (kW)	80	115,9	160	200	240	280
Nominal input min load (kW)	14	22	27	44	48	52
Efficiency max load 80-60 °C (%) *	97,4	97,4	97,4	98,4	98,4	98,4
Efficiency 30% load 36-30 °C (%) *	107,5	107,5	107,5	107,5	107,5	107,5
Efficiency category EEC Directive 92/42	****	****	****	****	****	****
Maximum flow temperature (°C)	90	90	90	90	90	90
Minimum operating pressure (bar)	0,8	0,8	0,8	0,8	0,8	0,8
Maximum operating pressure (bar)	6	6	6	6	6	6
Width casing (mm)	640	640	640	640	640	640
Depth casing (mm)	850	850	850	1070	1070	1070
Height casing (mm)	1190	1190	1190	1190	1190	1190
Weight (kg)	140	160	180	210	227	245

* values are estimated



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