

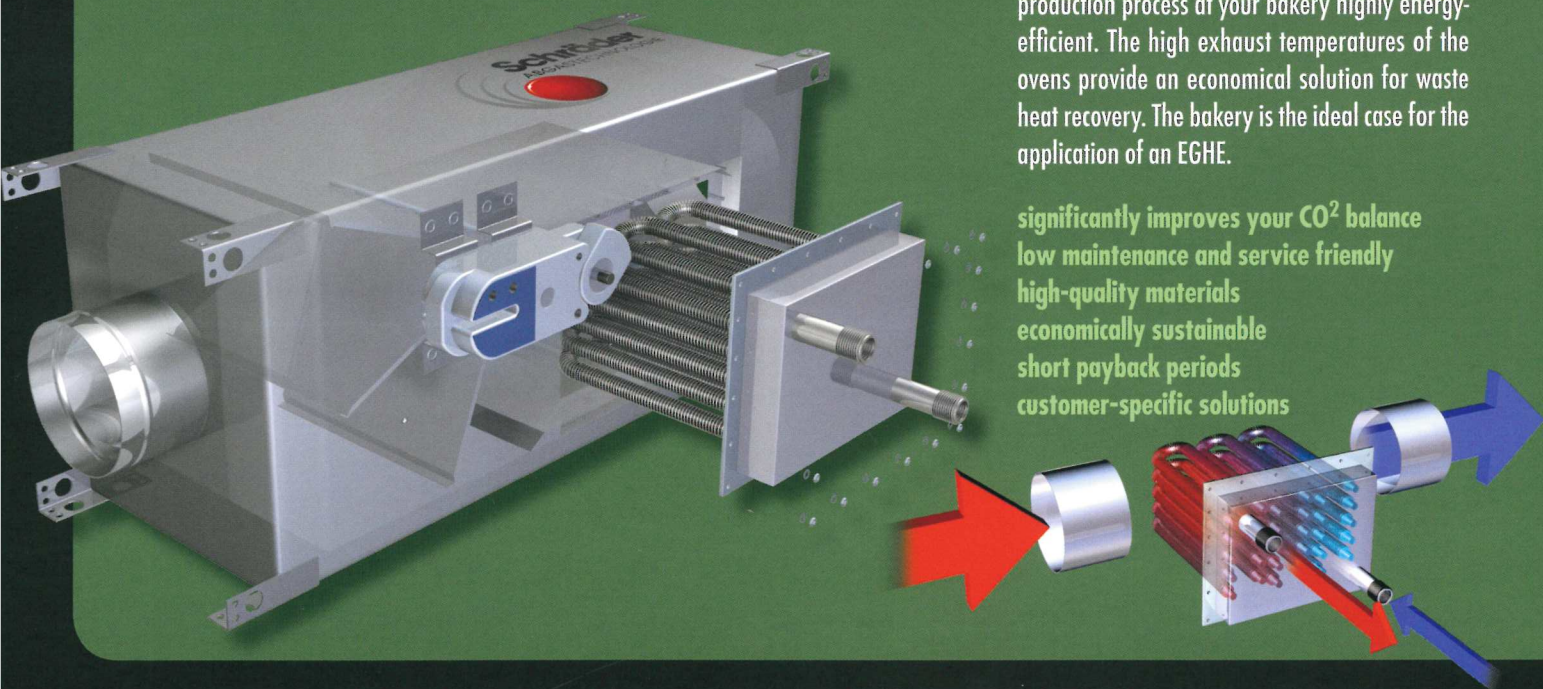
# Energy and Environmental Solutions for your Bakery

The name "Schröder" stands for high-quality, high-tech stainless steel products in the sectors of energy efficiency, immission reduction and emissions technology.

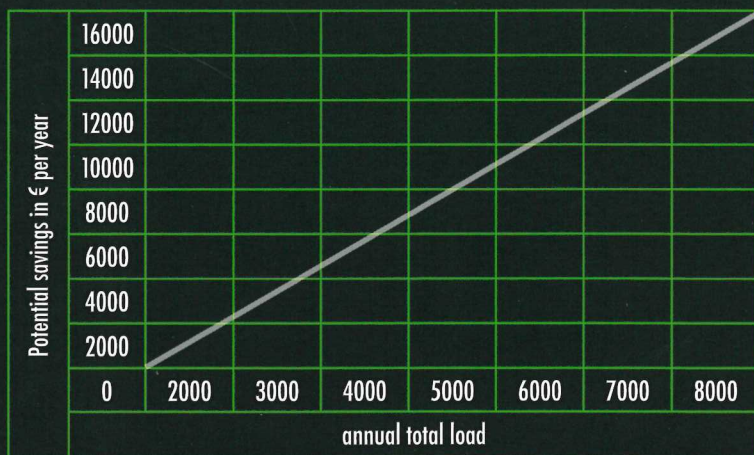
## AWT Exhaust Gas Heat Exchanger

Do not allow expensive energy to dissipate unused into the environment any longer. Make the production process at your bakery highly energy-efficient. The high exhaust temperatures of the ovens provide an economical solution for waste heat recovery. The bakery is the ideal case for the application of an EGHE.

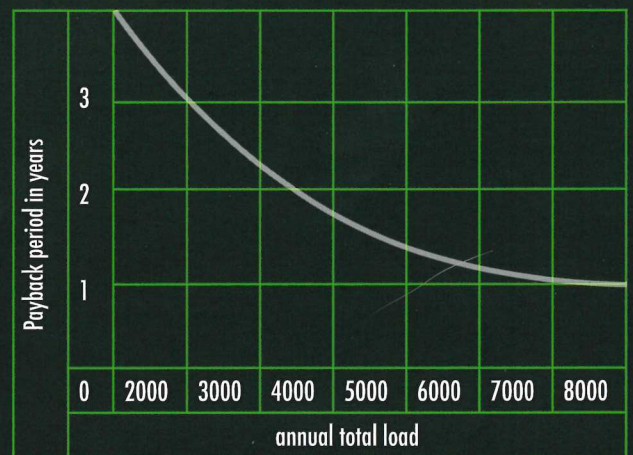
significantly improves your CO<sup>2</sup> balance  
low maintenance and service friendly  
high-quality materials  
economically sustainable  
short payback periods  
customer-specific solutions



Potential savings with the Schröder exhaust gas heat exchanger



Payback period of the Schröder exhaust gas heat exchanger





# SWT Steam Heat Exchanger

The baking trade is a very energy-intensive industry. Therefore, there is a great potential for savings. One of the possibilities is, for example, recovering heat from the baking steam.



Solely for this purpose, Schröder has developed a steam heat exchanger with plain pipes, with which it is possible to recover the high condensation heat of the water vapour.

**The steam heat exchangers are manufactured from high-quality stainless steel V4A material.**

The steam heat exchanger operates most effectively with a high concentration of water steam and a low cooling water temperature.

The connection of several ovens to a Schröder steam heat exchanger is a proven system that has often been put into practice. Please contact our technical team for the optimal sizing of your steam heat exchanger.

**Schröder steam heat exchangers are characterised by their very low flow resistance, which enables operation without the support of an additional fan.**

The steam heat exchangers are not suitable for flue gas; please see our range of highly effective flue gas heat exchangers.





# FUTUREaero

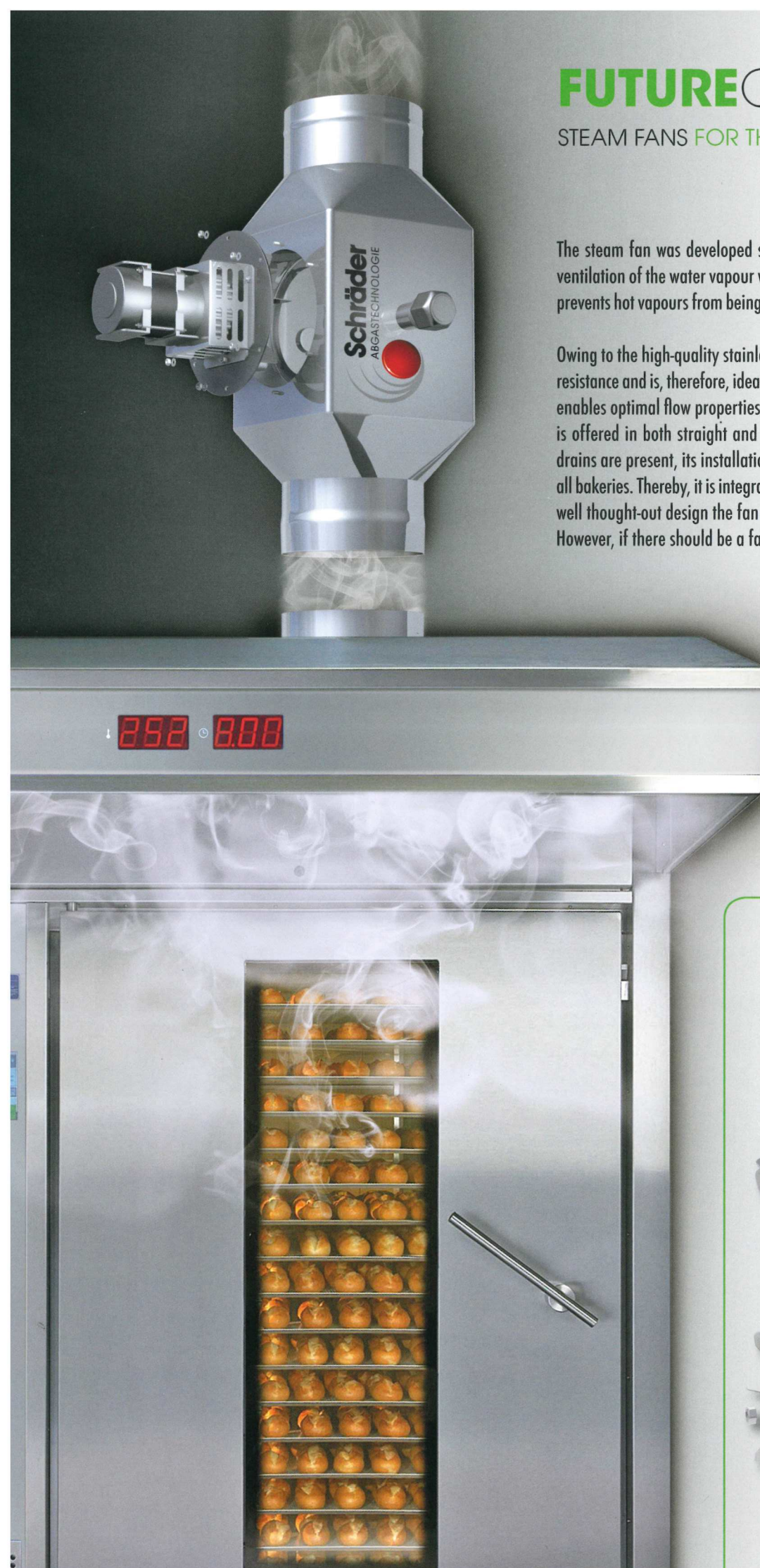
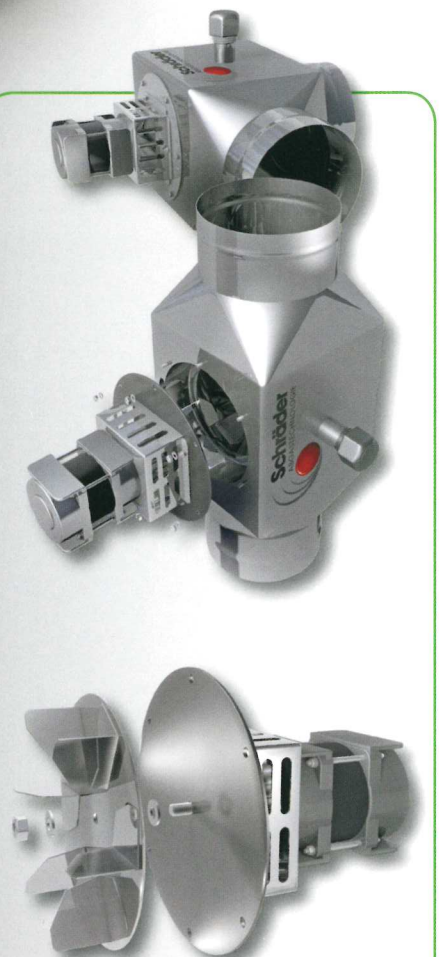
STEAM FANS FOR THE BAKERY

The steam fan was developed specifically for bakeries and provides better ventilation of the water vapour when opening the baking chamber door. This prevents hot vapours from being released when opening the baking chamber.

Owing to the high-quality stainless steel the fan has a high level of corrosion resistance and is, therefore, ideally suited for acidic steam. The housing design enables optimal flow properties in the smallest possible space. Since the fan is offered in both straight and angled versions and as several condensate drains are present, its installation is flexible and can be retrofitted in almost all bakeries. Thereby, it is integrated into the steam exhaust duct. Owing to the well thought-out design the fan works reliably, quiet and maintenance-free. However, if there should be a failure, the exhaust air can still pass through.

## The benefits at a glance:

- high corrosion resistance
- easy assembly
- space-saving construction
- maintenance-free
- high temperature resistance





**ENERGY EFFICIENCY**

**We are interested in the following products:**

- AWT - exhaust gas heat exchanger**  
Industrial exhaust gas heat exchangers from 15 to 1,000 kW, which can be customised according to requirements, guarantee a high level of efficiency from the small hall heating up to industrial ovens in series connection.
- AWT-Top**  
System for heat recovery and condensing technology for furnaces, exhaust air and industrial exhaust systems.
- SWT - steam heat exchanger**  
System for heat recovery from baking steam.

**Perfectly matched components guarantee best functionality and maximum efficiency for any requirements.**

**Quality has its origin...**

Only foresighted technology has a chance today. This implies for Schröder that even tried and tested methods of construction are continually further developed, in order to thus permit the use of functional and economical production techniques.

It is clear that this goal is only achievable with the highest demands on the underlying material for production. Schröder therefore uses only high-quality stainless steel VA for its components (materials 1.4301, 1.4404, 1.4539, 1.4571, 1.4828).

With 100% recyclability of these materials the environmental impact is significantly reduced; this has already been part of our corporate philosophy for decades. But only a continuous and effective quality control – in combination with modern technology, pioneering production techniques, and years of experience in chimney technology – make the finished product a precisely fitting Schröder component.

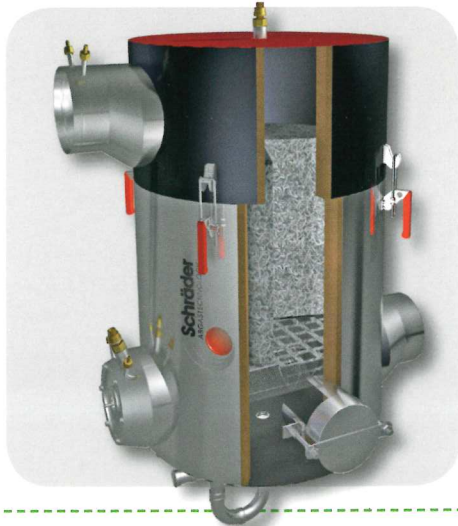
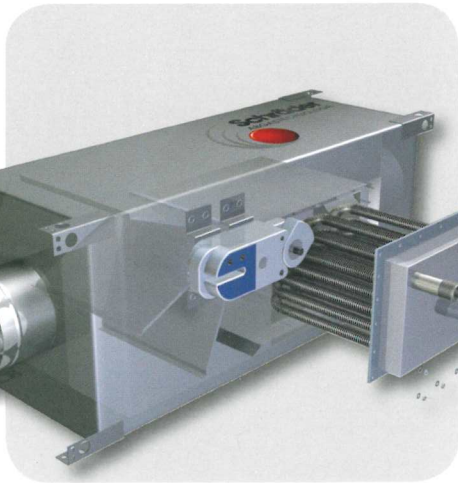
This is why the entire production process is subject to a continuous control so the optimal service life of the final product can be guaranteed.

**EMISSIONS REDUCTION**

- AL-Top**  
The Schröder AL-Top is a new particulate filter for solid fuel combustion systems based on the principle of the corona discharge.
- FUTURE refine**  
Electrostatic particulate collector

- FUTURE aero**  
The steam fan was developed specifically for bakeries and provides better ventilation of the water vapour when opening the baking chamber door.
- FUTURE ew**  
Single-walled chimney systems for standard heating appliances in the positive pressure and negative pressure ranges. Moisture-insensitive, pressure-tight and insertable as Combined Heat and Power Unit (CHP) line.
- FUTURE dw**  
Double-walled chimney systems for standard heating appliances in the positive pressure and negative pressure ranges. Moisture-insensitive, pressure-tight and insertable as Combined Heat and Power Unit (CHP) line.

**EMISSIONS TECHNOLOGY**



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