

Ekström & Son
since 1896



Heat up your business: Carbon Black air preheaters

High temperature – low fouling

We, the dedicated people at Ekström & Son, offer you world class air preheaters for the carbon black industry. Our home is Kristianstad in Sweden, our market is the entire world. And you can trust us; for over 20 years we have supplied your industry:

- » **Lower fuel consumption** – improves feedstock economy
- » **Higher productivity** – a more effective process
- » **Better emission control** – lower environmental impact

In good hands

An effective air preheater makes your process more reliable and more economic. We care about your business 24/7, and we aim to assist you with an efficient operation. We are always there to assist you with upgrades and advise. You can trust our preheaters. They come in both 800°C and 900+°C versions, and provide a reliable and robust design.



Turn the heat up!

Some like it hot. We do as well. Our double shell air preheaters are well known from other industrial heat recovery applications, such as the glass industry. Ekstrom & Son are proud to offer the only such solution for carbon black producers. So ask yourself ... how hot is hot enough for you? Let's take a look at our product line.



Your next air preheater

We offer three types of air preheaters:



The single shell preheater – 800°C



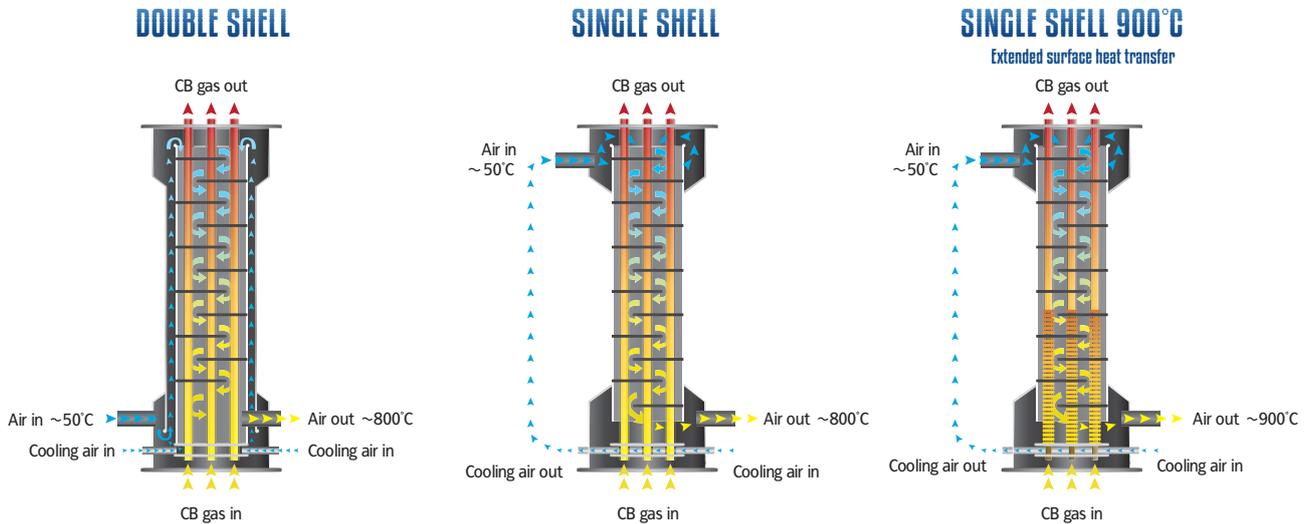
The double shell preheater (with less fouling) – 800°C



The single shell preheater - 900+°C

The Ekström patented 900+°C design has an extended fire tube surface. In addition, this preheater provide these benefits:

- » Lower height than conventional 900°C air preheaters – higher resistance to wind load and earthquakes
- » Self-supporting design – reduces need for external structures
- » Similar height and weight as our 800°C models - easy to upgrade

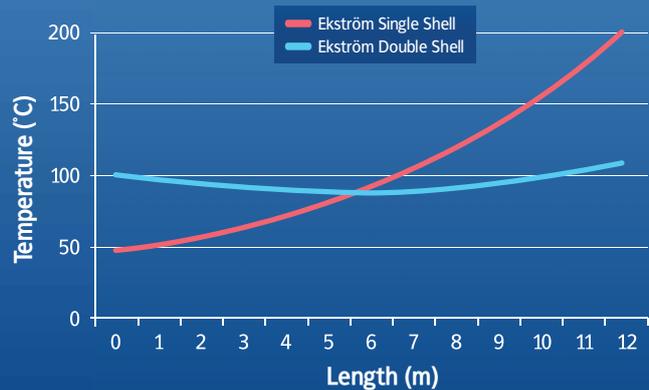


The figure above illustrates the difference between our single and double shell solutions.

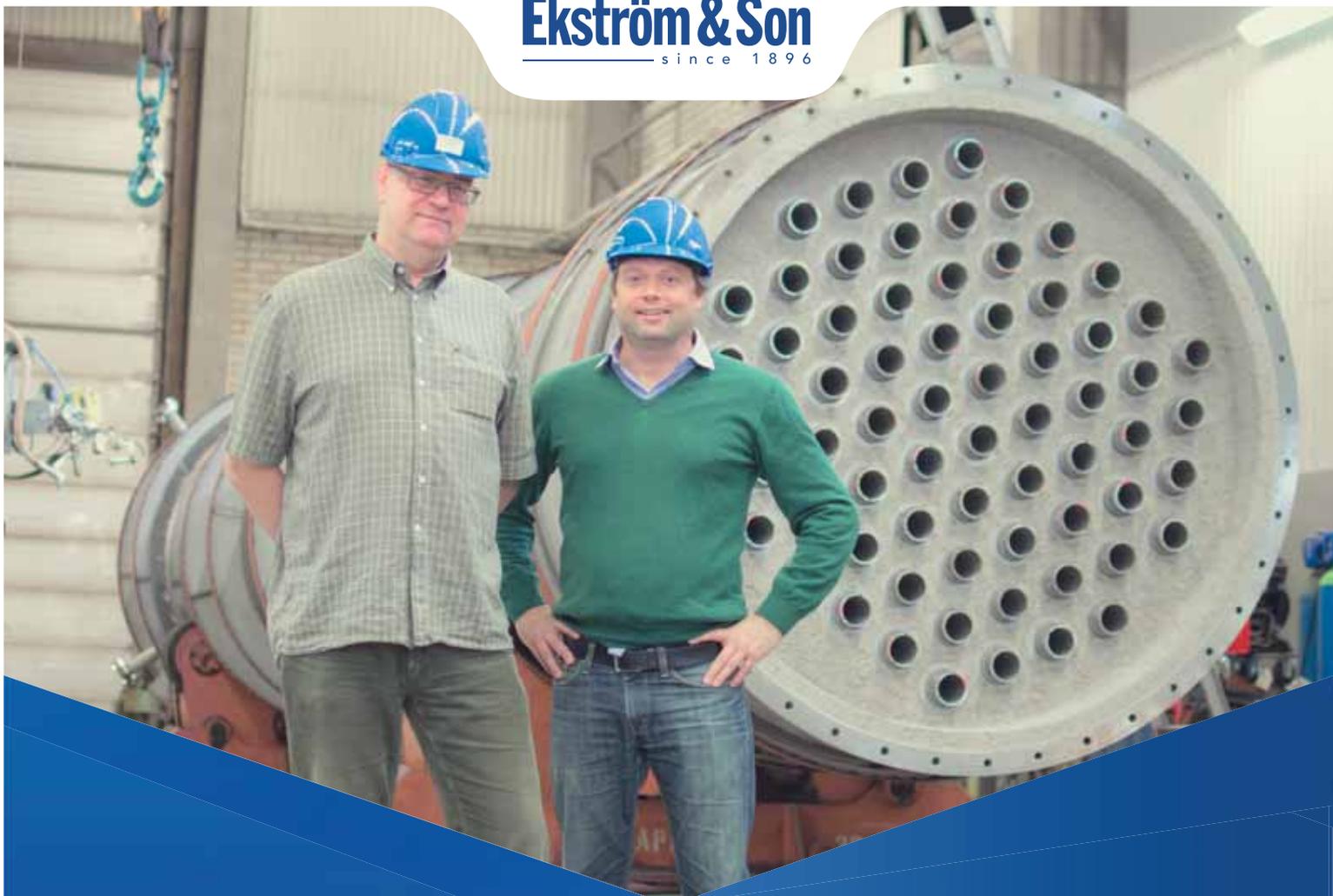
In detail, this is how it works

The advantage of a double shell air preheater is lower fouling. This is due to lower temperature difference between the process gas and the tube. This leads to less cleaning and better control of your maintenance costs.

The graph shows the temperature differential between CB gas and the preheated air:



Temperature difference between tube and carbon black gas at 800°C



Regardless of which air preheaters you choose, we offer you a productive and cost-effective solution for your carbon black process. Please contact us for more information: Call or e-mail Lars Gunnarsson +46 44 20 84 27; carbonblack@ekstrom-son.se

www.ekstrom-son.se