

## Air Pollution Control

### Featuring the Luehr Filter Baghouse

The Luehr Gas Cleaning System from Kuttner North America offers proven performance in unique applications and varied industries around the world. Combining extensive pollution abatement engineering expertise with the global technological resources of the Kuttner Group of companies and Luehr Filter from Germany, Kuttner North America helps customers meet and exceed their individual environmental regulatory requirements.



Featuring the patented Luehr Filter baghouse, Kuttner's system provides:

- A compact design—requiring less physical space than conventional baghouses—with the same filtering capacity
- Effective and thorough collection of particulate in air and process gases
- Efficient capture of multiple hazardous pollutants. With options like an innovative conditioning rotor, and additive and reagent injection, our gas cleaning system can capture multiple vaporous pollutants—including mercury, sulfur compounds, dioxins and furans—in one process.
- An individual vertical row off-line bag cleaning system that cleans fewer bags at one time, resulting in lower emission spikes after cleaning and consistently low discharge levels.
- Baghouse sections that can be isolated for maintenance or bag replacement, while the gas cleaning system continues to operate
- A patented convex cage design that uses flat bags in a compact design to minimize bag overstretching, mechanical failure, and contact between adjacent bags
- Easy bag installation and removal from a platform on the clean-gas side
- VFD speed control for optimum control and energy savings
- Can be configured to meet virtually any individual cleaning and space requirements

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Off-line air cleaning

The exceptional Gas Cleaning System from Kuttner North America offers unique, patented features for efficient, reliable performance.

Here's how it works...

- Fly ash and large dust particles are separated out in the crude gas chamber before reaching the bags, minimizing erosion from the top of the bags.
- The traveling plenum successively cleans each row, off-line, with pulsing air from a compressed air reservoir.
- Inside the clean gas chamber, felt seals (glide surface) on the traveling plenum stop the air flow in the two rows adjacent to the row being cleaned.
- Pulsing air from the air purging nozzles briefly reverses gas flow to remove the filter cake from the row being cleaned.
- Filter bag rows are cleaned, one at a time, until normal pressure loss is achieved.
- The dust cake falls into the hopper and a screw conveyor continuously transports it from the hoppers.



Flat bag filters



Conditioning rotor

**Call (888) 918-4483 today for more information or a quote for your specific application.**

Kuttner North America is your complete source for the planning, engineering, design, manufacture, installation, and support for state-of-the-art melt centers, gas cleaning systems, waste recovery systems, and environmental systems for many industries. Throughout our history, we have always placed a high emphasis on quality and customer care. Contact Kuttner North America for single-source engineering and complete parts, service, and technical support.