

# FPC Clean Air Cyclone

**The FPC Clean Air Cyclone unit uses centrifugal force to separate water from air on the basis of the difference in mass between the two.**

The FPC Clean Air Cyclone has no moving parts and consists of a cylindrical and a conical section. The conical section's progressively decreasing diameter makes the mixture rotate faster and faster.

As a result of centrifugal force, drops of water and solid particles are pressed against the interior side. Because air is lighter, it is extracted from the mixture. The water mixed with residual chemicals and other particles is subsequently fed back to the FPC Clean Air Act inlet. Using a FPC Clean Air Cyclone reduces water and chemical consumption. In addition, air from the emission point contains less moisture and, because of this, the active carbon in the downstream Clean Air Optimizer AC has a much longer standing time.



## FPC Clean Air Cyclone:

- Reduced water and chemicals consumption
- Separation of solid particles (flour, breadcrumbs)
- No moving parts
- Longer active carbon standing time in downstream units

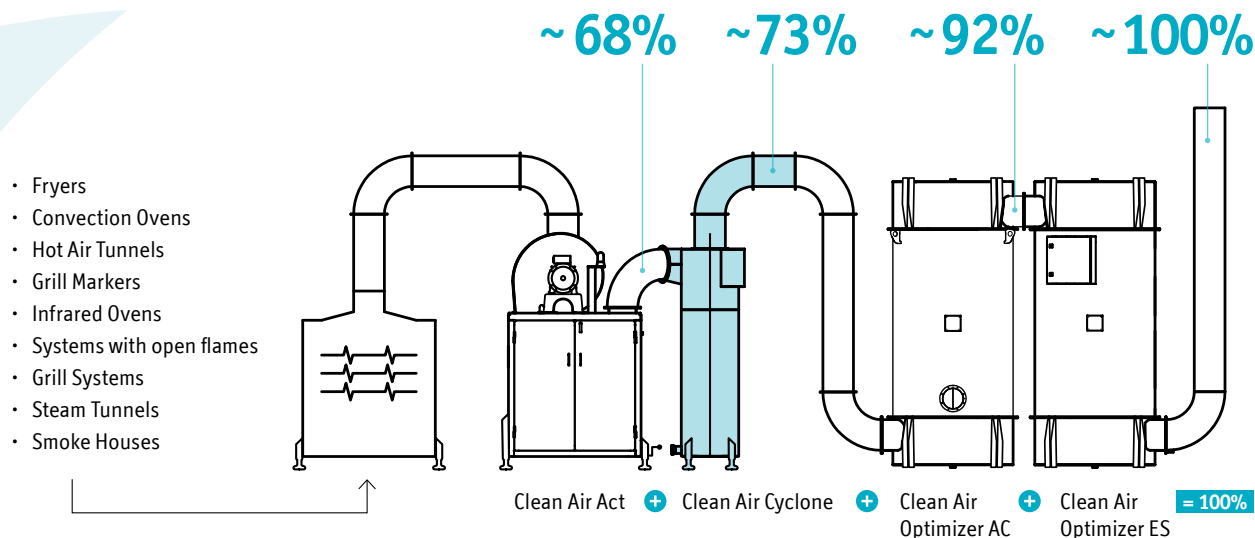
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clean air**

## Complies with the following standards in combination with the Clean Air Act and the Clean Air Optimizers:

- DIN EN 13725 / 15259
- BImSchG
- BAFU
- NER
- IFDM



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## Food Processing Concepts

Food Processing Concepts develops durable, specialist appliances for the food industry. With more than 30 years of experience, FPC develops innovative, environmentally friendly machines that increase the efficiency of the production process and ensure an improved working environment.

Based on experience and development, FPC produces machines that are easy to use, and need low maintenance. Because of its unique and innovative approach, FPC has been successful for many years on the international market.



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