

Customer Case



Yihai Kerry Foodstuffs Industries Co.,Ltd, Kunshan, China

Yihai Kerry is a leading agribusiness and food company with over 25 years of local operating history in China. The company is the Chinese market leader in several segments such as edible oils refiners and consumer pack oils, specialty fats and oleo chemicals. This typical factory produces potato chips for the consumer market.

Problem / objective:

During deep frying of potato chips high concentrations of hot oil mist / oil smoke is emitted. Yihai Kerry Foods were about to install a new deep fryer and needed a process air filter for it. Due to strict environmental standards for new installations Yihai Kerry Foodstuffs were in need of a professional filter supplier that could deliver a solution to the problem. For quite some time they had been trying to find the perfect filter, but because of a high particle load and hot temperatures the task proved to be too difficult for every supplier that they met with, until Absolent was contacted.

Solution:

Absolent conducted thorough examinations of the situation in the factory. From previous successful filter installations in other deep frying plants Absolent were well aware of what filter would work, and what would not. An A•food^{40RF}, a first generation of the A•smoke^{FOOD} units, would be the best choice of filter. The fryer had several connecting points which meant that a complex duct system had to be constructed. To deal with the high temperature as well as the high particle load while trying to maintain a long life time of the filter cassettes Absolent came up with a unique technical solution. The customer also invested in an air flow control system, also known as EcoDrive, from Absolent. This control system along with the unique stainless ductwork was the perfect solution for Yihai Kerry Foodstuffs.

Results:

Yihai Kerry Foods choice of Absolent to help with the filtration from the fryer was the best decision they could have made. After the struggles they had with trying to find a professional supplier they are now pleased to have found Absolent. Finally, the problem with heavy smoke is gone and both staff and management think the installation is perfect.

Facts about current units

- July 2014 - 1 A•food^{40RF} (with external fan)

EcoDrive - an Automatic Power Saving Function

EcoDrive is a speed control that regulates the airflow through the filter unit according to the actual requirements of the current machine. In short, it will achieve the correct airflow at all times - neither too much nor too little. This saves energy as well as extends the filter cassette lifetime.

Do you want to save time, energy and money, as well? Call us and we will talk about what your industry may need!

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A•food^{40RF} - First generation A•smoke^{FOOD}

A•food is a specially developed filter series designed for food applications. This filter unit uses the same filtration technique as our successful A•smoke-series, but with a different internal design. A•food has a special composition of filter cassettes developed for eliminating air contaminations from food applications.

Technical Information	Metric	Imperial
HEIGHT	2185 MM	86 IN
WIDTH	1160 MM	45,7 IN
DEPTH	1160 MM	45,7 IN
INLET DUCT Ø	250 MM*	9,8 IN*
WEIGHT, DRY FILTERS	700 KG	1543 LBS
MAX. AIRFLOW	1500 M ³ /H	883 CFM

*Inlet duct not included for the US market.