
CASE STUDY

Food & Beverage Applications

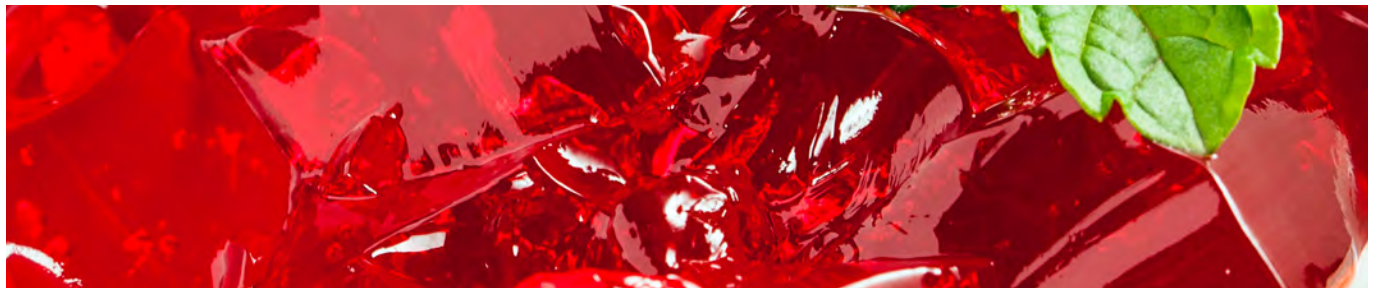
Amafilter®
reduced
production
downtime
and increased
safety with the
Cricketfilter®

THE AMAFILTER® TEAM WORKED CLOSELY WITH A GELATINE PLANT TO FIND A FILTRATION SOLUTION THAT WOULD REDUCE DOWNTIME AND LOWER MAINTENANCE COSTS RESULTING IN A MORE EFFICIENT AND SAFER OPERATION.



amafilter
Filtration Group®





Customer:
A gelatine plant
Industry:
Food & Beverages
Application:
Thin Liquor Gelatine
Product:
CRICKETFILTER®

THE CHALLENGE

The gelatine plant was operating an horizontal pressure filter leaf system for the filtration of thin liquor gelatine. The horizontal pressure filters leaves required frequent changes and as the system was not automated, this necessitated significant man hours, resulting in additional maintenance and material costs, as well as causing on-going safety concerns due to the numerous manual interventions.

THE SOLUTION

The Amafilter® team advised the customer that the Cricketfilter® would be the ideal product for their application as it is an automated filter system complete with extended-lifetime filter cloths.

As the Cricketfilter® is an automated system, the filter cloths don't need to be changed daily, or even weekly. In fact, in this type of application the filter cloths last between 6-12 months without requiring to be changed.

The Cricketfilter® is ideal for separating fine solids from fluids and is extensively used in applications such as gelatine. The Amafilter® engineering team have specifically designed filter cloths for the Cricketfilter® with pore sizes ideally suited for this application, reducing and at times eliminating the amount of extra pre-coating needed, which also makes filtration more economical.

THE RESULTS

The customer appointed Amafilter® to deliver a complete skid unit with two Cricketfilters® 1800W-78/2000-100 for their gelatine application including all the necessary componentry as well as the commissioning.

With the installation of the Amafilter® unique Cricketfilter®, the customer experienced lower filter turnover rates, a reduction in maintenance interventions, lower maintenance costs and improved safety.

The customer was able to cut down on operational manpower. This long lasting and automated filtration unit provided the plant with a more efficient and profitable operation while maintaining optimal cleanliness in the filtration process.

OUR PRODUCT

The Cricketfilter® features and benefits:

- Up to 40% larger filtration area than traditional pulse tube filter systems.
- Large filtration area within a small footprint.
- Hermetically closed system and can be fully automated.
- Suitable for direct cloth filtration or precoat/body-aid filtration.
- High filtrate quality.
- The Cricketfilter® is simple to clean. It uses air or gas pulses for cleaning the elements section by section, without requiring a vibrator.
- Low maintenance.
- Suitable for a wide range of applications.
- The Cricketfilter® can be used with filter cloths of various pore sizes and materials. This reduces and at times eliminates the amount of extra pre-coating needed, making filtration more economical.

