

amafilter®

THE CRICKETFILTER®

2nd GENERATION



The Cricketfilter® 2nd Generation

The Cricketfilter® automated system is renowned in the food and chemical industries for its outstanding performance. We strived to enhance its capabilities, leading to the development of advanced features tailored to diverse filtration requirements.

Through dedicated research and investment, we have engineered and developed new options that:

- Optimize the total cost of ownership (TOC).
- Boost safety.
- Promote sustainability.
- Allow for a modular system that can be customized to meet customers specific filtration requirements.



The Cricketfilter® 2nd Generation - New Optional Features

New Round Manifold and Cone Shaped Fittings Improved efficiency and hygiene

Our commitment to innovation, efficiency, and hygiene has led us to re-design the internal manifold of the Cricketfilter®. The rectangular flat design manifold has been replaced by a new round design, eliminating solids from accumulating on the surface.

Benefits:

Optimal cleaning:

The new design makes it easier to clean the round manifold with a spray ball as the dirt slides off easily when round rather than when flat.

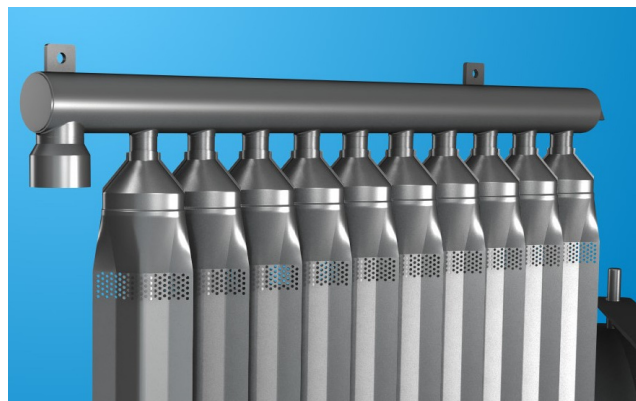
Enhanced Hygiene:

Ideal for the food industry, the round manifold design ensures no residue is leftover improving hygiene and delivering safer end products.

Low Maintenance:

With a new design that repels build-up, the Cricketfilter® system will rarely require cleaning maintenance, making the operation process more efficient.

The welded fittings have been re-designed into a cone shape to stop solids accumulating on the surface, improving hygiene levels.



Cone Shape Fittings

Improved Hygiene:

The welded fittings have been re-designed into a cone shape to stop solids accumulating on the surface, improving hygiene levels.



The Cricketfilter® 2nd Generation - New Optional Features

Cricketfilter® New Automatic Opening System Safety driven hydraulic bayonet design

Improved safety feature with the Cricketfilter® new automatic opening system. This ingeniously crafted system integrates hydraulic technology with a bayonet design to provide complete operational safety.

Benefits:

Advanced Automatic Opening:

Laborious manual procedures are no longer required. The new automatic opening system uses powerful hydraulic cylinders, ensuring that the Cricketfilter®'s cover opens and closes with precision and ease.

Swift Operational Turnaround:

Experience improved time efficiency as the Cricketfilter® transitions from closed to fully open in mere minutes, a significant contrast to the potential up to 3 hours manual operation.

Manual Control Handles:

Two ergonomic handles facilitate manual oversight, ensuring that the Cricketfilter® system operates smoothly even in the rare case of automation interruption.

Enhanced Safety:

The automatic system minimizes the risk of operational hazards, allowing for a gentle yet firm opening and closing mechanism that underscores user safety.

Optimized Sealing:

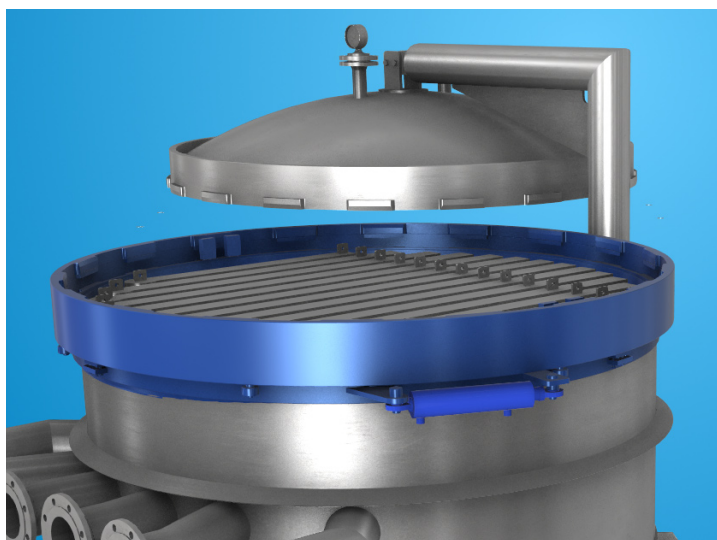
A perfect seal every time.

Reduced Maintenance Times:

With the quick and reliable operation of the automatic system, maintenance intervals are significantly shortened, allowing for more uptime and productivity.

Long-Term Durability:

Built to withstand rigorous industrial conditions, the Cricketfilter® automatic opening system promises longevity and reliability in any environment.



The Cricketfilter® 2nd Generation - New Optional Features

Load Cells Cake Monitoring System

Ultimate precision in cake discharge effectiveness

The new cake monitoring system has been designed for an accurate monitoring of cake discharge. Utilising load cell technology it is possible to accurately and effectively measure the discharge of cake from the Cricketfilter®.

Benefits:

Digital Weight Transmitter:

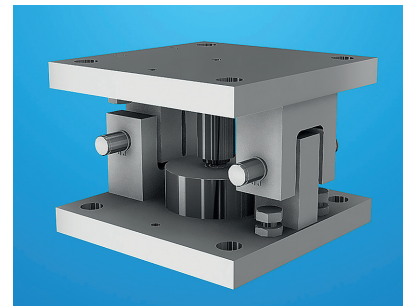
The weight transmitter analyses the input from load cells and calculates the precise weight of the Cricketfilter®'s cake discharge and transfers that data to the PLC. This provides up to date accurate information on cake discharge.

Data Integration:

Ease of data management is key in managing an efficient process and the weight transmitter makes this easy by speaking directly to the PLC or DCS, providing up to date information on cake discharge, reducing costly manual interventions.

Versatile Applications:

Suitable for dry or wet cake discharge, the load cells in our monitoring system provide a clear signal of cake release.



New Sprinkler System

Improved cleanliness

The sprinkler inside the Cricketfilter® system provides an improved method of cleanliness as it facilitates the internal cleansing of the Cricketfilter® vessel, as well as the elements within.

Benefits:

Integrated Sprinkler System:

Ensures comprehensive internal cleaning of the Cricketfilter® vessel, guaranteeing the highest standards of cleanliness in the process.

Optimized for CIP (Cleaning In Place):

Our product is perfectly suited for CIP protocols, reducing the downtime associated with disassembling and manually cleaning equipment. Maintain the continuity of your operations with ease and convenience.

Economical & Eco-Friendly:

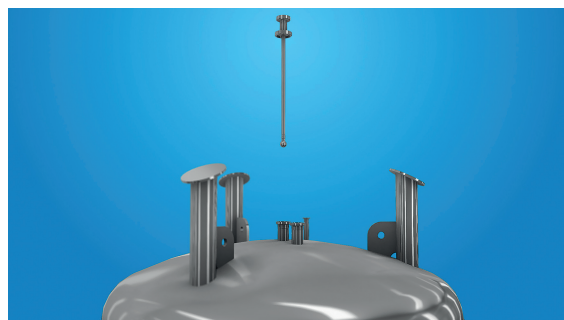
The sprinkler system requires less liquid - both acid and water - for the CIP process than manual cleaning. This not only leads to lower operational costs but also minimizes your environmental footprint.

Reduction in Cleaning Agents:

Less acid substances will be required to achieve improved results, promoting a safer work environment and contributing to a greener planet.

Efficient Use of Resources:

By requiring less water for the cleaning cycle, our sprinkler system champions water conservation and sustainability.



The Cricketfilter® 2nd Generation - New Optional Features

Reinforced Cricketfilter® Element Durable heavy duty design

The reinforced Cricketfilter® element has been designed to thrive in the most demanding environments, delivering both reliability and unparalleled performance.

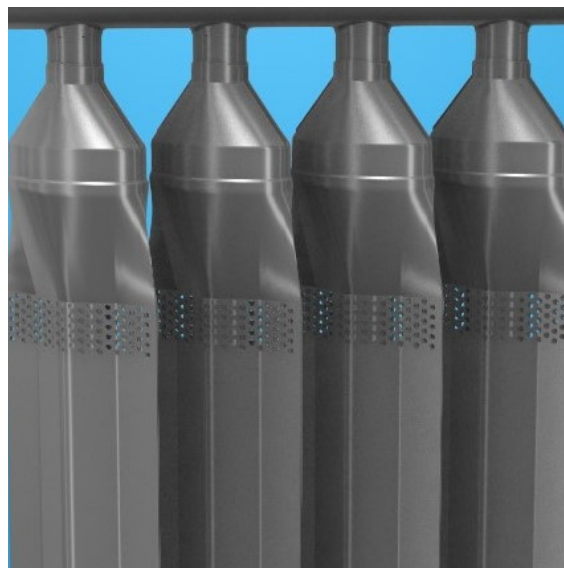
Benefits:

Withstanding the highest pressure:

Designed to withstand a differential pressure of up to 6 bar, this high resistance enables your filtration process to harness higher pressure without compromising on safety or efficiency.

Maximize Capacity, Minimize Downtime:

Our heavy-duty elements enable you to increase capacity, capitalizing on a higher pressure differential, all while having the assurance that your filters are designed to handle the upscaling without damaging the system.

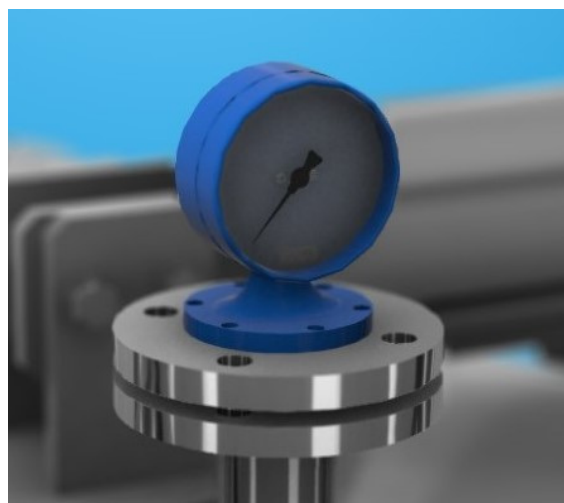


Cricketfilter® With 10 bar Engineered durability and safety

Benefits:

Exceptional Durability and Safety:

Specifically engineered to withstand pressures up to 10 bar, surpassing the typical 6 bar standard filter designs, this new feature offers an added layer of safety and operational efficiency.



The Cricketfilter® 2nd Generation - New Optional Features

Maximise Reduction of Heel Guarantees batch integrity

The Cricketfilter® for heel filtration is designed to ensure that every drop of a batch is filtered, leaving no substance behind.

This design maximizes output and maintains the integrity of the batches, reducing the risk of contamination.

Benefits:

Heel Filtration Technology:

A unique heel filtration ring installed at the bottom of the filter captures the residual substance from the batch cycle, ensuring a comprehensive filtration process.

Integrated Design:

The additional ring is elegantly placed between the filter end and the butterfly valve, seamlessly integrating with the current filtration setup for a straight forward operation.

Batch Completeness:

This feature allows the entire batch to go through the filtration process, boosting efficiency and preserving the quality of the product.

Contamination Prevention:

By filtering the last bits at the bottom, our Cricketfilter® drastically reduces the chances of any cross-batch contamination, providing peace of mind for batch-sensitive operations.



The Cricketfilter® - New Filter cloth options

Silicone Impregnated Cloth

Benefits:

Enhanced cleanability

The filter cloth is impregnated with silicone, creating a barrier that actively resists the build-up of solids on the element, resulting in a cleaner, more hygienic operation.

One Piece Top and Drain Cloth

The top cloth and drain cloth are combined with the felt ring, providing ease of use and unmatched functionality.

Benefits:

Quicker and Easier Installation

A straightforward, one-step installation process reduces the time and labour required when installing the cloths.

Change-outs

The need to change only one cloth rather than two simplifies the change-out process, reducing downtime and lowering maintenance costs.

More secure operation

Because both cloths are integrated with the felt ring the cloth, there is no risk that the cloth detaches itself from the clamp or that the drain cloth slides off.

The Cricketfilter® 2nd Generation - New Improved Features

The Cricketfilter® New Stainless Steel Pump Improved durability, reduce maintenance intervals

Benefits:

Unmatched Durability:

Constructed from stainless steel, the Cricketfilter® new pump is corrosion resistant, and can withstand the relentless punishment of chemical applications while maintaining peak performance.

Longevity:

The robust pump construction translates to fewer replacements and uninterrupted operational processes.



Cricketfilter® Filter Cloths

Cloth with an integrated felt ring

The cloth and felt ring are a single item as the felt ring is part of the cloth. The cloth is installed underneath the clamping band.

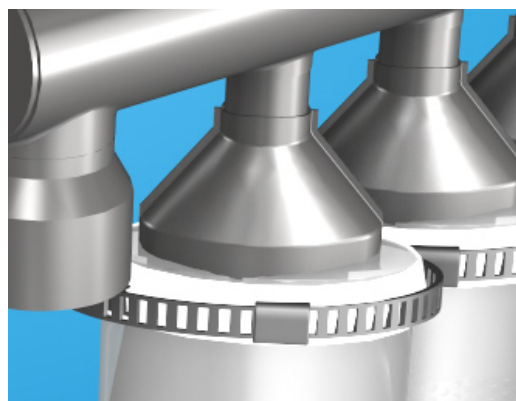
Benefits:

Easy to install

As it is one piece, the filter cloth is easy to install. Only one fitting is required.

Secure fitting

As it is one piece, there is less risk that the cloth detaches itself from the clamp.



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SCAN ME

+31 573 297 777

info.fgnl@filtrationgroup.com
www.amafiltration.com