

LIQUIMAG AUTO-CLEAN

Filter magnet system for liquid and pasty products

- Separation of finest magnetic metal contaminations (also slightly magnetised stainless steel particles)
- Especially suited for the requirements of the food industry
- Guarantees constant high product quality
- Automatic cleaning function
- "Plug & play" with pre-programmed control unit



Example

- For pressure conveyor pipes with up to 10 bar overpressure
- Suitable for application in ATEX zone 0
- Made of stainless steel AISI 316
- Highest magnet power, remanence 1 370 mT (13 700 Gauss)
- Hygienic Design
- Optimal separation result without loss of pressure
- Also for the inspection of pasty media and products with solid contents
- Suitable for CIP/SIP



Magnet separator LIQUIMAG AUTO-CLEAN

Function:

Quality and quality inspection are of outstanding importance in the food industry, where processes that are used in production must be absolute state-of-the-art. The magnet separators of the LIQUIMAG AUTO-CLEAN type therefore are designed to meet all the requirements and specifications applicable in food production. The filter magnets can be easily integrated in existing conveying pipes in which liquid and pasty products are transported. The magnet separators require little maintenance, are cleaned automatically, and therefore guarantee economic and efficient operation.

The product is cleaned by means of magnet rods. After the set cleaning time, a pneumatic cylinder moves the magnet cores out of the filter housing.

Performance features of LIQUIMAG AUTO-CLEAN filter magnets:

- The very high magnet power of 1 370 mT (13 700 gauss) and the special arrangement of the magnet rods guarantee best-possible separation of magnetic contaminations.
- Even shear-stressed stainless steel particles that show a very low magnetism at the shear area can be removed with this magnet separator.
- Suitable for CIP ("cleaning in place") and SIP ("sterilisation in place").
- A version with double-wall filter housing that can be heated with warm water is available for applications involving products that can only be conveyed in heated condition.



Typical applications:

- Food industry: Butter, fat, oil, sauces, chocolate, jam, juice
- Chemical industry: Cooling liquid, hydraulic fluid
- Pharmaceutical industry: Preserving agents, saline solutions

Magnet separators with N45 high-energy neodymium magnet material can be used for operating temperatures of up to 100°C. For high-temperature applications a special samarium-cobalt magnet material is available.